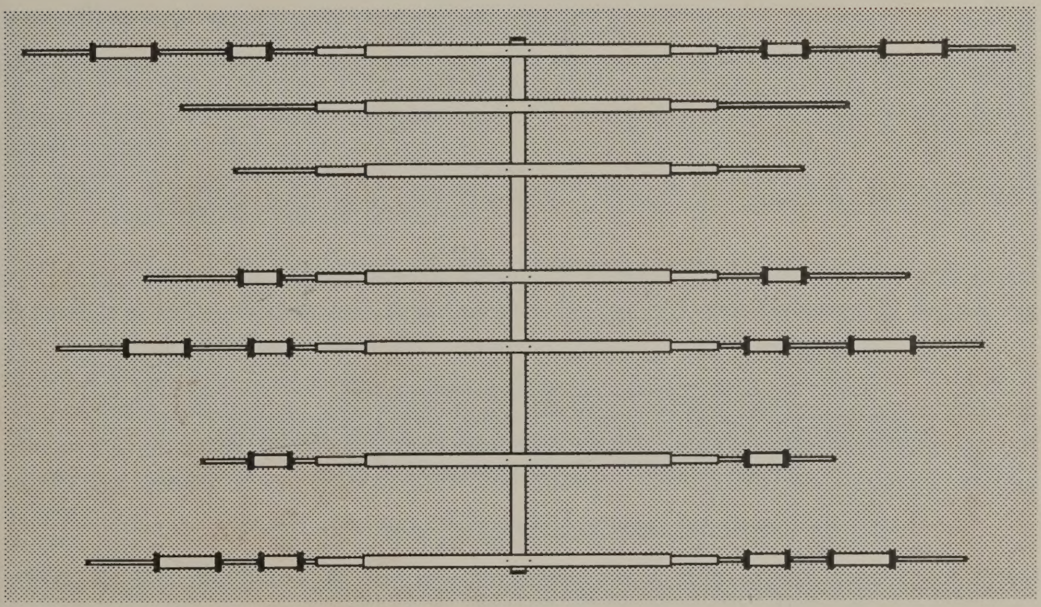
Amateur Antenna
Catalog



PRO-67-C

Mosley Electronics, Inc.

10812 Ambassador Blvd., St. Louis, MO 63132

Orders: 1-800-325-4016 or 1-800-966-7539 Technical: 1-314-994-7872 Fax: 1-314-994-7873

Saving you MONEY Factory Direct!

Table of Contents

Welcome to Mosley 2
Feed Systems 4
TA-Series Multi Band Small to Medium Size Beams 5
Commercial Specials 14
Conversion Kits and Add On Kits for TA, Jr., and MP Series 15
WARC Antennas 16
*"Classic" * and Medium Size Multi Band Antennas* 19
Super "33" 22
PRO Antenna Series 23
Conversions for Pro Antennas 31
Log Periodic 34
New Light Weight Ham Log 37
HF Mono Band Beams 38
75/80 Meter Beam 40
VHF/UHF Beams 42
Dipole Kit, Multi Band Trapped Dipoles 45
75/80 Meter Vertical 46
HF Multi Band Verticals 47
VHF/UHF Ground Plane 49
Parts Department 50
Mini Mono's 51

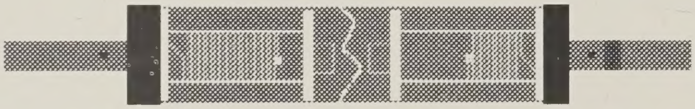
All Prices and Specifications in this catalog are subject to change without notice or obligation.
All orders are subject to a handling, shipping, re stocking charge and taxes if applicable.

Welcome to the world of Mosley.

Please take a few minutes to review a few facts about Mosley and its products.

< > Are you aware that Mosley created the first Tri-Band Beam using a single metal enclosed trap?

The Single Cover Dual Coil Trap "Mosley Invented"



And Has Been in Realiable Use for over 45 Years!

< > That we have used stainless steel hardware in and on our products for 50 years?

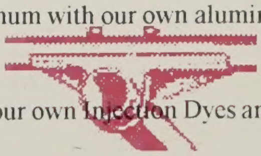
< > Did you know that Mosley was the first to create a 4 frequency beam which would out perform a log cell antenna in gain on the 4 independent frequencies over 40 years ago?

< > That in 1979 Mosley created the first beam in the world that was designed to operate on 6 independent frequencies on a single boom using a single feed line that emulated 3 element mono band antennas on those same frequencies? Research our competitors and look up in old Amateur publications to see who came out with what products first. Mosley has always been in the forefront of design and innovative products for the amateur.

< > Mosley has caused the antenna industry to become more responsive to the Amateur Market place? Especially over the last fourteen years? Prior to the introduction of our PRO Series, the only multi banded antennas were tri banders and logs.

< > That our element to boom mounting clamps are made out of the highest quality of aluminum with our own aluminum sand casting dyes? That all of our aluminum castings are made by us with our tooling?

< > That our traps, coil forms and other plastic parts were designed by us and are made with our own Injection Dyes and 200+ ton mold injectors?



---

* Mosley Trademark

> That our tubing is specially made for Mosley with the values that we specify? That the tubing we use is seamless drawn polished aircraft grade, which has a telescoping tolerance of .003 to .005 +/_? If you have ever bought aluminum tubing, you would know that there is a tremendous difference in the quality between drawn seamless and extruded. Extruded tubing is cheaper and the closest tolerance this can be madeto is .020 to .025 +/-. Twenty thousandths is a lot of distance between sizes. When our competitors use this grade of tubing, must be slit and compressed over and around the inserted piece. Therefore you could have a situation of one size of tubing having a .020+ tolerance and the smaller inserted piece of tubing having a .020- tolerance.

> That not only does our tubing glove sleeve, it is color coded and pre drilled on our automated drill line? That our automated line allows us to drill all the holes on a single piece of tubing at the same time within a 32nd of an inch accuracy?

> That this process gives you a quality product which is easy to assemble and will give you years of reliable use? That the average in use period of time for a Mosley is 25 years? That the antenna can be reconditioned with parts from our parts department which contains parts going back 50 years at a nominal cost? That once the antenna is reconditioned, it will go another 25 years?

> That because of the way we make our product, there is no need for you to measure or adjust the antenna? That the various pieces of the antenna and boom are pre-drilled and color coded? That to assemble the elements, you simply match the same colored pieces together, align the holes and set them with a stainless screw? That to attach the elements, you simply match the color on the element to the same color code on the boom? **Assembly couldn't be easier! Ninety-Nine per cent of the time the only tools needed is a screw driver and an adjustable wrench!**

> That the reason your Mosley antenna works as good as our test model is due to all of the special material, drilling, handling and work that goes into building your Mosley antenna before you even get it? You can see how much hands on labor we use in building a Mosley product. When demand is extra high for our product we will run behind because there is no way to rush the lengthy procedures and testing. We want you to experience Mosley's quality!

> Do you know the amount of time it takes run 500 to a 1000 of a antenna model? Just the time to run the tubing on our air lines takes 80 working hours per model. With one shift this run would take 10 working days. With two shifts it would take 5 working days. The best we can do is with three shifts and it would take 2-1/2 working days, 24 hours a day to do just one type of product. You can see the amount of organization and time it takes to run just 25 separate models. Not to mention the time needed to test and inspect the finished pieces and traps, box and ship the product.

> That our competitors don't have the amount of labor Mosley has in building their products? For the most part that our competitors just box the raw tubing and the customer furnishes the labor for the assembly and adjustment of the antenna?

> That our competitors don't have the same material delays that Mosley does due to the custom nature of the materials we use? All of our materials are especially made to our specifications. An example: Our 2" boom splice is 1.876 OD, with a wall of .120, if we use more boom splice than we had planned for, due to a rush military order, etc., we have to wait until the mill can run this size for us. The average rush turn around is 6 to 8 weeks. In 1994 the alloy we use in our tubing was so rare it took 35 weeks for us just to receive the material!

> When we have delays we hope you feel our Mosley antenna is worth waiting for, especially when you consider it has the capability of being used forever!

> You can be assured that our goal is **to build you the best product** that is capable of being made at a very competitive price!

> That Mosley is the only manufacturer using the EIA engineering standard of 80 M.p.h. for establishing our wind loads? Most everyone else is using 50 or 60 M.p.h. trying to give the appearance of the same quality product as a Mosley? From the beginning of Mosley, our antennas and parts have been designed to be stronger and last longer, with a higher wind capability than our competitors.

> That Mosley uses small unnoticed amenities our products, such as, where stainless steel mates with stainless steel, Mosley uses a Phosphorus Bronze washer to act as a barrier so the stainless parts won't seize? These types of little features are laced throughout a Mosley antenna.

> That Mosley was the first in the industry to offer a two year warranty?

> That Mosley antennas have survived ice storms, snow storms, sand storms, and hurricanes around the world? We could cheapen our products with lesser materials, which would allow us to lower prices and better compete with our competitors copies, but then our products wouldn't be a Mosley.

Revelations

The Mosley *"Trap Master"* trap, the TA-33, the TA-33-JR, the *CLASSIC*33* and other fine Mosley products have become the most copied antenna products in the world!

Regardless of how our competitors try to sell you on their copies, they still aren't a Mosley!

The biggest favor you can do for yourself, when it comes to buying an antenna, is to just remember the name **"Mosley"**... **"A Better Antenna!"**

Even today, competitors are copying our designs, traps, trademarks and infringing our patents so they can try and get as close to a Mosley made product as they possibly can.

Some are even saying their changed traps are a new LC trap design, giving you the impression that these are new to the industry! These designs might be new to them, but they're not to Mosley. Mosley invented it! Mosley has thousands of antenna owners that have been using and taking advantage of our trap design for over 50 years.

Hopefully, the amateur of today recognizes the facts of our industry and isn't taken in by the **"Pretty Pictures"**, ironically the **"Higher Prices"** and the **"Misleading Phrases"** some of our competitors use. Just because something is said or shown over and over, it doesn't change the facts!

Don't be taken in by all of the advertising hipe. Check it out! Ask someone on the air who has been using a Mosley product for the last 30 years. They'll be glad to give you the facts. Mosley has been making these products and have had them in use longer than our competitors have been building HF antennas!

If you're new to amateur radio and you want to become an antenna expert to protect yourself, just remember to buy a Mosley and you'll automatically become an expert. Get the original! A Mosley *Trap Master....* **"Still A Better Antenna!"**

We can't cover all the reasons **we feel that when you purchase a MOSLEY, you are getting the best value in an antenna product that** you can buy! Dollar for dollar, Mosley provides you with the best products you can buy anywhere in the world.

Check out the weight differences, the band widths, the SWR curves, and the frequencies covered for a similar antenna and we think you will agree with us that Mosley delivers the best all around products in the industry!

This catalog contains the antennas, which we have received the most request for from the Amateur community. Mosley has over 4,500 different types of antennas on file in our engineering department. If there is a special or custom antenna that you have need of, call our engineering department and we will try and help fill your request. Thank you for your interest in MOSLEY!

"Feed For Thought"

Feed Systems for HF Antennas - The Simpler, the Better!

Despite popular belief, linear radiators, normally employed in 2 and 3 element parasitic arrays, have a driving point impedance of close to 52 ohms when open at the center. To feed such a radiator it is only necessary to connect a 52 ohm line at this point to achieve the best possible match of line to antenna.

However, because of certain design characteristics, some beam antennas require elaborate and, sometime, unstable matching devices such as *Gamma or T-Match* systems or variations of these systems. Such devices are usually difficult to adjust and to maintain in adjustment when used in multi-band beams.

MOSLEY ***"TRAP MASTER"*** beams, however, are so designed as to not require any unwieldy matching arrangements. Our beams are fed by connecting the line directly to the **open center** of the radiator. Thus, an excellent match is achieved over the entire width of each Ham band resulting in extremely low SWR near resonant frequencies of each band and the ability to *range* from one end of the band to the other without excessive SWR.

By eliminating such matching devices, MOSLEY ***"TRAP MASTER"*** beams provide their users with stable and dependable operation without the necessity of frequent trips to the roof or up the tower to make readjustments.

The coax we recommend for HF antennas* is a good grade of **RG-8U** or **RG-213**, these coaxes will give you a good, stable, consistent match to your antenna. *We do not recommend 9913 coax being used in HF applications.

The Original!

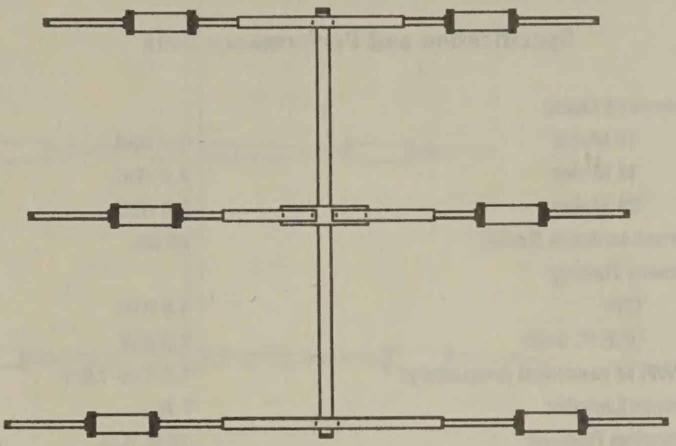
Note: You can Add 12, 17, 40 or 30 Meters to the TA-33-M. You can't with the copies.

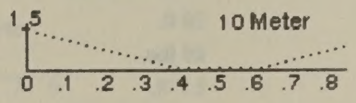
Mosley TA-33-M ("The Best Known Tri-Bander in the World")

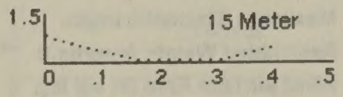
10-15-20 Meter, 3 Element Beam

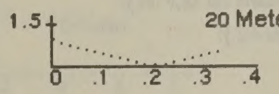
Specification and Performance Data

Forward Gain:	**10 Meter**	**8.3 dbd.**
	15 Meter	**7.3 dbd.**
	20 Meter	**6.5 dbd.**
Front-to-Back:	**10 Meter**	**20 db.**
	15 Meter	**20 db.**
	20 Meter	**20 db.**
Power Rating:	**CW**	**1.5 KW**
	SSB.	**2.5 KW**
SWR at frequency:		**1.0/1 to 1.6/1**
Boom Length:		**14 ft.**
Turning Radius:		**15' 6"**
Mast Size:		**1-1/2 or 2 in.**
Maximum Element Length:		**28 ft.**
Assembled Weight (approx.):		**37 lbs.**
Wind Surface Area (in sq. ft.):		**5.7 ft.^{2}**
Wind Load (EIA standard 80 M.P.H.):		**114 lbs.**
Shipping Weight (approx.):		**42 lbs.**
Warranty:		**2 Years**









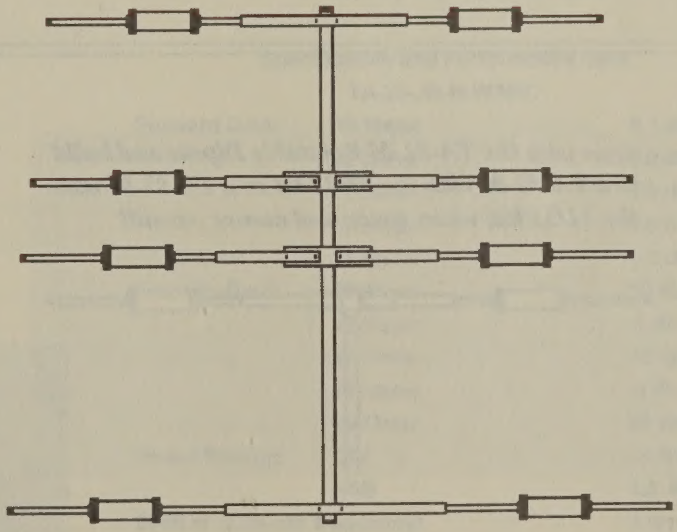
Mosley TA-33-M-WARC

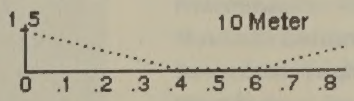
10, 12, 15, 17, 20 Meters

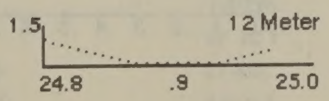
Specification and Performance Data

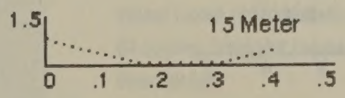
TA-33-M-WARC

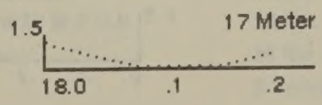
Forward Gain:	**10 Meter**	**8.3 dbd.**
	12 Meter	**0.0 dbd.**
	15 Meter	**7.3 dbd.**
	17 Meter	**0.0 dbd.**
	20 Meter	**6.5 dbd.**
Front-to-Back:	**10 Meter**	**20 db.**
	12 Meter	**0 db.**
	15 Meter	**20 db.**
	17 Meter	**0 db.**
	20 Meter	**20 db.**
Power Rating:	**CW**	**1.5 KW**
	SSB	**2.5 KW**
SWR at resonant frequency:		**1.0/1 to 1.6**
Boom Length:		**14 ft.**
Turning Radius:		**15 ft. 6 in.**
Recommended Mast Size:		**1-1/2 in.-2 in.**
Maximum Element Length:		**28 ft.**
Assembled Weight (approx.):		**42 lbs.**
Wind Surface Area (in sq. ft.):		**6.7 ft.^{2}**
Wind Load (EIA standard 80 M.P.H.):		**129 lbs.**
Shipping Weight (approx.):		**52 lbs.**
Warranty:		**2 Years**

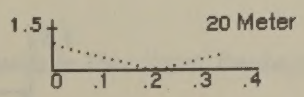












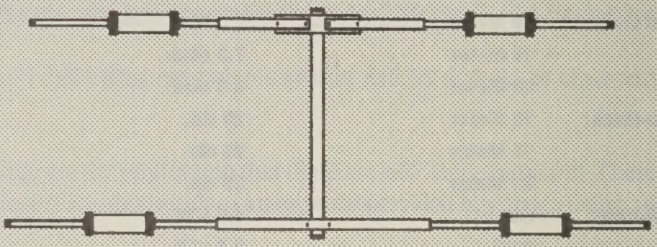
Mosley TA-32-M

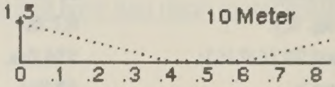
10-15-20 Meter, 2 Element Beam

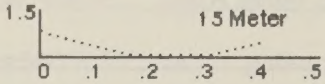
Specification and Performance Data

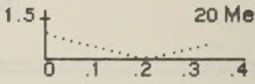
Forward Gain:	
10 Meter	**5.5 dbd.**
15 Meter	**4.6 dbd.**
20 Meter	**3.8 dbd.**
Front-to-Back Ratio:	**20 db.**
Power Rating:	
CW	**1.5 KW**
P.E.P. SSB	**2.5 KW**
SWR at resonant frequency:	**1.0/1 to 1.5/1**
Boom Length:	**7 ft.**
Turning Radius:	**14 ft. 6 in.**
Recommended Mast Size:	**1-1/2 in. - 2 in.**
Maximum Element Length:	**28 ft.**
Assembled Weight (approx.):	**26 lbs.**
Wind Surface Area (in sq. ft.):	**3.7 ft.²**
Wind Load (EIA standard 80 M.P.H.):	**74 lbs.**
Shipping Weight (approx.):	**32 lbs.**
Warranty:	**2 Years**

Start with the TA-32-M and build to a TA-33-M with the 32/33 kit when space and money permit!

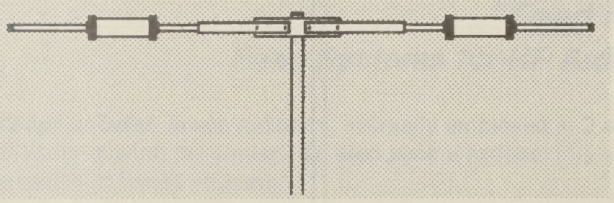


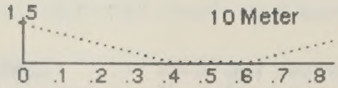


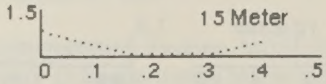


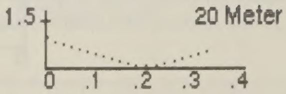


Start with the TA-31-M Rotatable Dipole and build to a TA-32-M with the 31/32 kit or a TA-33-M with the 31/33 kit, when space and money permit!









Mosley TA-31-M

10, 15, 20 Meters

Specification and Performance Data

Forward Gain:	
10 Meter	**0 dbd.**
15 Meter	**0 dbd.**
20 Meter	**0 dbd.**
Front-to-Back Ratio:	**0 db.**
Power Rating:	
CW	**1.5 KW**
P.E.P. SSB.	**2.5 KW**
SWR at resonant frequency:	**1.5/1 or better**
Turning Radius:	**12 ft.**
Recommended Mast Size:	**1-1/2 in.-2 in.**
Maximum Element Length:	**23 ft. 11 in.**
Assembled Weight (approx.):	**11 lbs.**
Wind Surface Area (in sq. ft.):	**1.2 ft.²**
Wind Load (EIA standard 80 M.P.H.):	**40 lbs.**
Shipping Weight (approx.):	**14 lbs.**
Warranty:	**2 Years**

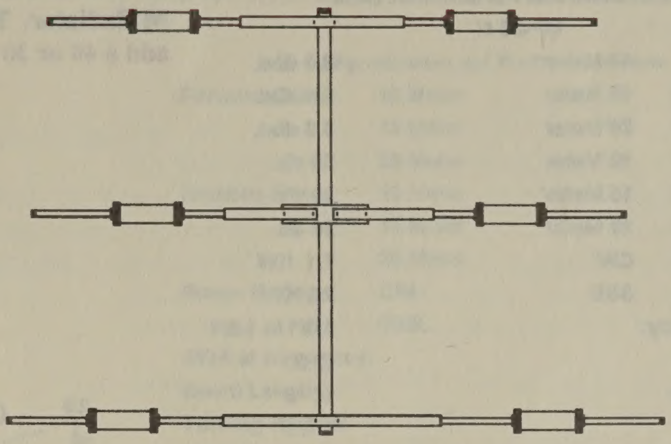
Mosley TA-33-JR-N

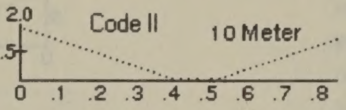
"The Original Light Weight Tri-Bander"

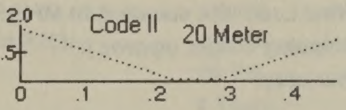
10-15-20 Meter, 3 Element Beam

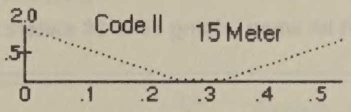
Specification and Performance Data

Forward Gain:	**10 Meter**	**8.0 dbd.**
	15 Meter	**6.8 dbd.**
	20 Meter	**5.8 dbd.**
Front-to-Back:	**10 Meter**	**20 db.**
	15 Meter	**20 db.**
	20 Meter	**20 db.**
Power Rating:	**CW**	**.5 KW**
	SSB	**1.2 KW**
SWR at frequency:		**1.0/1 to 1.6/1**
Boom Length:		**12 ft.**
Turning Radius:		**14' 9"**
Mast Size:		**1-1/2"**
Maximum Element Length:		**26 ft. 8"**
Assembled Weight (approx.):		**21 lbs.**
Wind Surface Area (in sq. ft.):		**4.3 ft.²**
Wind Load (EIA standard 80 M.P.H.):		**86 lbs.**
Shipping Weight (approx.):		**30 lbs.**
Warranty:		**2 Years**





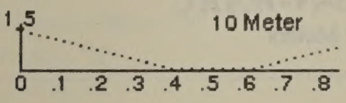


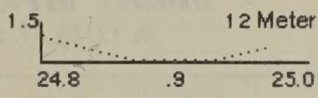


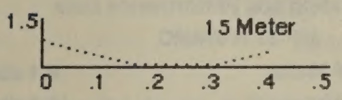
"With the Copies of our TA-33-JR you can't add 12 & 17 meters!"

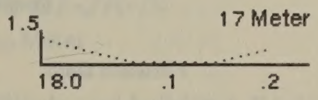
Mosley TA-33-JR-N-WARC

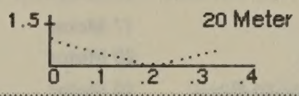
10, 12, 15, 17, 20 Meters

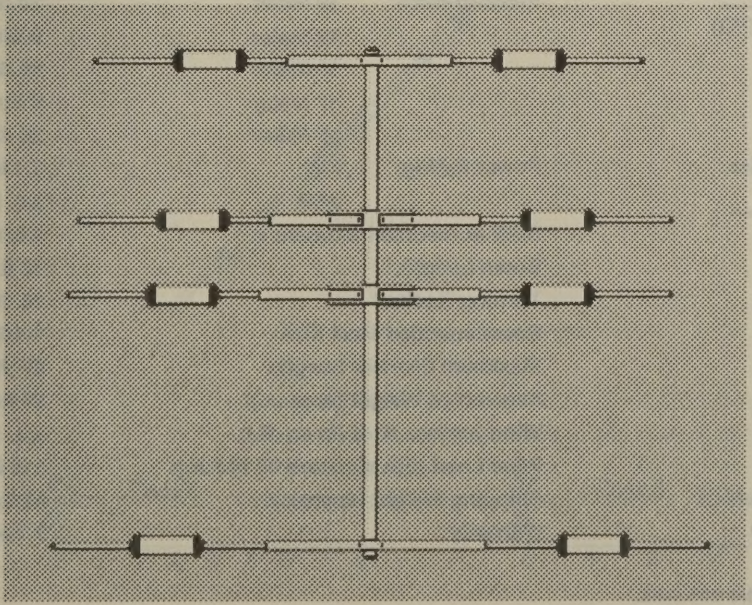












Specification and Performance Data

TA-33-JR-N-WARC

Forward Gain:	**10 Meter**	**8.1 dbd.**
	12 Meter	**0.0 dbd.**
	15 Meter	**6.9 dbd.**
	17 Meter	**0.0 dbd.**
	20 Meter	**5.8 dbd.**
Front-to-Back:	**10 Meter**	**20 db.**
	12 Meter	**0 db.**
	15 Meter	**20 db.**
	17 Meter	**0 db.**
	20 Meter	**20 db.**
Power Rating:	**CW**	**.5 KW**
	SSB	**1.2 KW**
SWR at resonant frequency:		**1.0/1 to 1.6**
Boom Length:		**12 ft.**
Turning Radius:		**14 ft. 9 in.**
Recommended Mast Size:		**1-1/2 in.**
Maximum Element Length:		**27 ft. 1"**
Assembled Weight (approx.):		**27 lbs.**
Wind Surface Area (in sq. ft.):		**4.9 ft.²**
Wind Load (EIA standard 80 M.P.H.):		**96 lbs.**
Shipping Weight (approx.):		**35 lbs.**
Warranty:		**2 Years**

"Five Bands in One Small Package at a low price!"

Mosley MP-33-N

10-15-20 Meter, 3 Element Beam

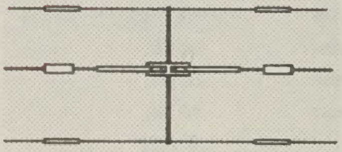
Specification and Performance Data

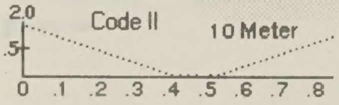
MP-33-N

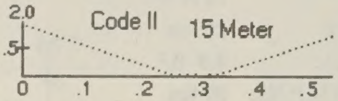
Forward Gain:	10 Meter	8.0 dbd.
	15 Meter	6.8 dbd.
	20 Meter	5.8 dbd.
Front-to-Back:	10 Meter	20 db.
	15 Meter	20 db.
	20 Meter	20 db.
Power Rating:	CW	1.1 KW
	SSB	2.0 KW
SWR at frequency:		1.0/1 to 1.6/1
Boom Length:		12 ft.
Turning Radius:		14' 9"
Mast Size:		1-1/2"
Maximum Element Length:		26 ft. 8"
Assembled Weight (approx.):		21 lbs.
Wind Surface Area (in sq. ft.):		4.7 ft.^{2}
Wind Load (EIA standard 80 MPH):		86lbs.
Shipping Weight (approx.):		30 lbs.
Warranty:		2 Years

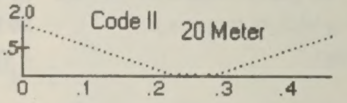
Use the TA-40-KR or TA-30-KR kit when adding 40 or 30 meters to this antenna.

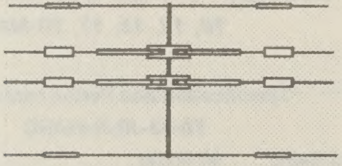
Light Weight and Compact. The MP-33-N Uses two TA-33-Jr. elements o the Director and Reflector. For the Radiator it uses the High Power TA-33 M Radiator. This gives the MP-33-N a High Power Capability and you ca add a 40 or 30 meter kit to the radiator!











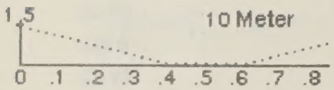
Mosley MP-33-N-WARC

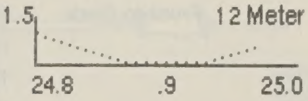
10, 12, 15, 17, 20 Meters

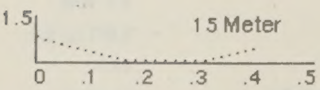
Specification and Performance Data

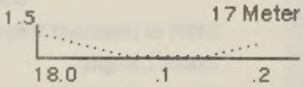
MP-33-N-WARC

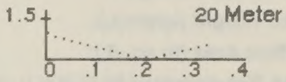
Forward Gain:	10 Meter	8.1 dbd.
	12 Meter	0.0 dbd.
	15 Meter	6.9 dbd.
	17 Meter	0.0 dbd.
	20 Meter	5.8 dbd.
Front-to-Back:	10 Meter	20 db.
	12 Meter	0 db.
	15 Meter	20 db.
	17 Meter	0 db.
	20 Meter	20 db.
Power Rating:	CW	1.1 KW
	SSB	2.0 KW
SWR at resonant frequency:		1.0/1 to 1.6
Boom Length:		12 ft.
Turning Radius:		16 ft.
Recommended Mast Size:		1-1/2 in.
Maximum Element Length:		27 ft. 1"
Assembled Weight (approx.):		29 lbs.
Wind Surface Area (in sq. ft.):		5.4 ft.^{2}
Wind Load (EIA standard 80 M.P.H.):		116 lbs.
Shipping Weight (approx.):		35 lbs.
Warranty:		2 Years











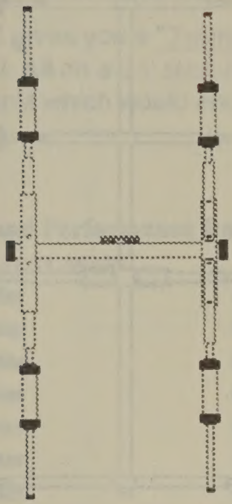
Use the TA-40-KR or TA-30-KR kit when adding 40 or 30 meters to this antenna.

Mosley TA-32-JR-N

2 Element

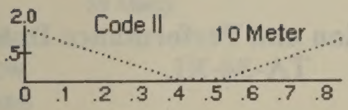
10-15-20 Meter

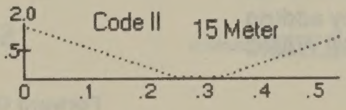
Start with the TA-32-JR-N and build to a TA-33-JR-N with the 32/33-JR kit when space and money permit!

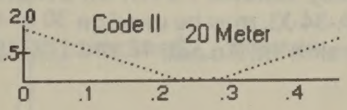


Specification and Performance Data

Forward Gain:	10 Meter	5.5 dbd.
	15 Meter	4.5 dbd.
	20 Meter	3.1 dbd.
Front-to-Back:	10 Meter	20 db.
	15 Meter	20 db.
	20 Meter	20 db.
Power Rating:	CW	.5 KW
	SSB.	1.2 KW
SWR at frequency:		1.0/1 to 1.6/1
Boom Length:		6 ft.
Turning Radius:		13' 9"
Mast Size:		1-1/2"
Maximum Element Length:		26 ft. 8"
Assembled Weight (approx.):		14 lbs.
Wind Surface Area (in sq. ft.):		2.5 ft.²
Wind Load (EIA standard 80 M.P.H.):		62 lbs.
Shipping Weight (approx.):		25 lbs.
Warranty:		2 Years



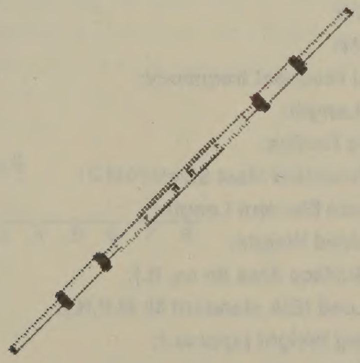




Mosley TA-31-JR-N

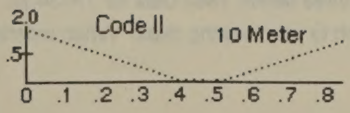
10-15-20 Meter

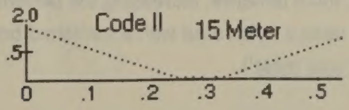
Start with the TA-31-JR-N Rotatable Dipole and build to a TA-32-JR-N with the 31/32 JR kit or a TA-33-JR-N with the 31/33 JR kit, when space and money permit!

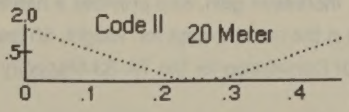


Specification and Performance Data

Forward Gain:	10 Meter	0 dbd.
	15 Meter	0 dbd.
	20 Meter	0 dbd.
Front-to-Back:	10 Meter	0 db.
	15 Meter	0 db.
	20 Meter	0 db.
Power Rating:	CW	.5 KW
	SSB.	1.2 KW
SWR at frequency:		1.0/1 to 1.6/1
Boom Length:		N/A
Turning Radius:		12 ft.
Mast Size:		1-1/2"
Maximum Element Length:		23' 11"
Assembled Weight (approx.):		9 lbs.
Wind Surface Area (in sq. ft.):		0.8 ft.²
Wind Load (EIA standard 80 M.P.H.):		30 lbs.
Shipping Weight (approx.):		25 lbs.
Warranty:		2 Years







Mosley TA-34-XL

4 Element Beam on each band
10-15-20 Meter

TRUE FOUR ELEMENT TRI-BANDER
You need a 5 element wide space mono-band beam to beat the XL on 10 or 15 meters.

" The Gun", the *TA-34-XL*

For those who have a limited amount of antenna space and are mainly interested in 10, 15, and 20 meters.

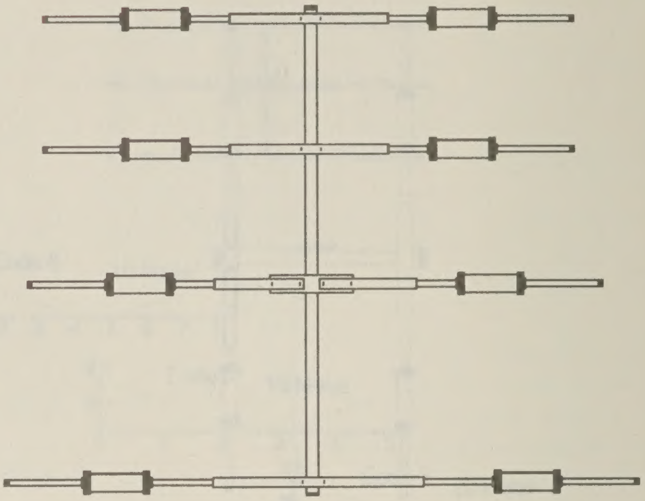
The TA-34-XL is a 4 element beam for 10, 15, and 20 meters, with true 4 element mono band performance on 10, 15 meters. On 20 meters the "XL" has good gain and front-to-back ratios.

The TA-34-XL incorporates the " Trap-Master" quality giving exceptionally broad banded performance to give excellent results over the full Ham bandwidth.

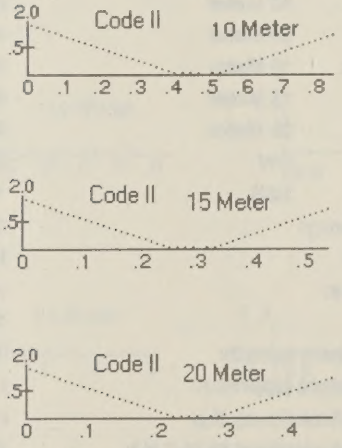
Exclusive Mosley Trap design offers resonant frequency stability under all weather conditions.

Element center sections are double walled to reduce sag. Boom is 2 inch O.D. with a wall thickness of .104 +.125 at the sections. The TA-34-XL use a heavy duty mounting plate that fits a 2 in. O.D. mast.

Antenna easily handles 1.5 KW on CW and 2.5 KW P.E.P. on SSB. The TA-34-XL may be used on 30 or 40 meters by adding a KR conversion kit. To add 12 and 17 meters use a SR WARC Kit.



TA-34-XL SWR



Specification and Performance Data TA-34-XL

Forward Gain:	
10 Meter	9.5 dbd.
15 Meter	9.1 dbd.
20 Meter	8.2 dbd.
Front-to-Back Ratio:	
10 Meter	18 db.
15 Meter	18 db.
20 Meter	18 db.
Power Rating:	
CW	1.5 KW
SSB	2.5 KW
SWR at resonant frequency:	1.0/1 TO 1.9/1
Boom Length:	2"X.104+125 X 21'
Turning Radius:	17 ft. 9 in.
Recommended Mast Size:	2 in.
Maximum Element Length:	28 ft.
Assembled Weight:	68 lbs.
Wind Surface Area (in sq. ft.):	6.9 ft.^{2}
Wind Load (EIA standard 80 M.P.H.):	164 lbs.
Shipping Weight (approx.):	72 lbs.
Warranty:	2 Years

TA-34-M Conversion Kit TA-33 /TA-34-M

Up-grade your present TA-33-M to a TA-34-M. All parts are furnished to provide you a simple upgrade to even more outstanding performance. Increases gain, also provides a narrower pattern, more directive, increasing the performance on all three bands. (See Data for TA-34-XL. TA-34-M data is the same except for weight, 58 lbs. TA-34-M uses a nylon strut with a furnished bracket to attach to your existing mast. When ordering the TA-34-M or Conversion for the TA-33-M specify the size of your mast.)

Mosley TA-34-XL-WARC

10, 12, 15, 17, 20 Meters

Five Physical Elements

4 Active Elements on 20, 15, and 10 meters!

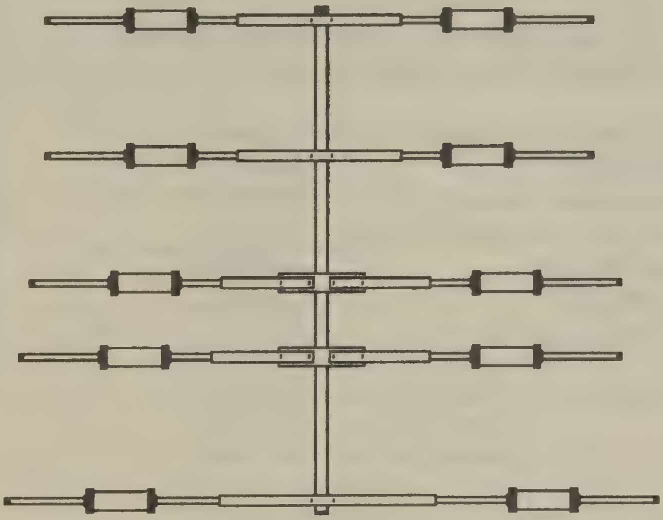
"You need a 5 element wide space mono-band beam to beat the XL on 10 or 15 meters."

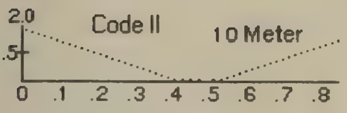
The TA-34-XL-WARC gives you a "Tremendous Signal" on 20, 15, and 10, while giving you access to 12 and 17 meters with an above average signal! All on a 21' strut-less heavy duty boom, and a single feed line. The TA-34-XL-WARC even can have 40 OR 30 meters added to it which would end up giving you high performance on "6" bands in a medium size antenna. Check it out!

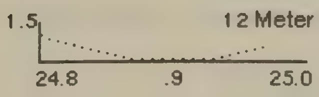
Specification and Performance Data

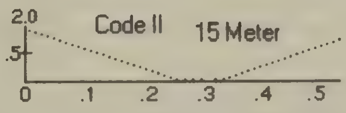
TA-34-XL-WARC

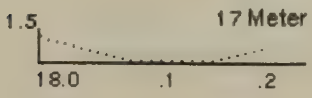
Forward Gain:	**10 Meter**	**9.5 dbd.**
	12 Meter	**0.0 dbd.**
	15 Meter	**9.1 dbd.**
	17 Meter	**0.0 dbd.**
	20 Meter	**8.0 dbd.**
Front-to-Back:	**10 Meter**	**18 db.**
	12 Meter	**0 db.**
	15 Meter	**18 db.**
	17 Meter	**0 db.**
	20 Meter	**18 db.**
Power Rating:		
	CW	**1.5 KW**
	SSB	**2.5 KW**
SWR at resonant frequency:		**1.0/1 to 1.6**
Boom Length:		**21 ft.**
Turning Radius:		**17 ft. 9 in.**
Recommended Mast Size:		**2 in.**
Maximum Element Length:		**28 ft.**
Assembled Weight (approx.):		**78 lbs.**
Wind Surface Area (in sq. ft.):		**7.7 ft.^{2}**
Wind Load (EIA standard 80 M.P.H.):		**144 lbs.**
Shipping Weight (approx.):		**88 lbs.**
Warranty:		**2 Years**

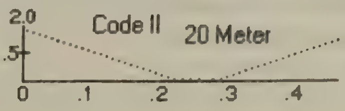




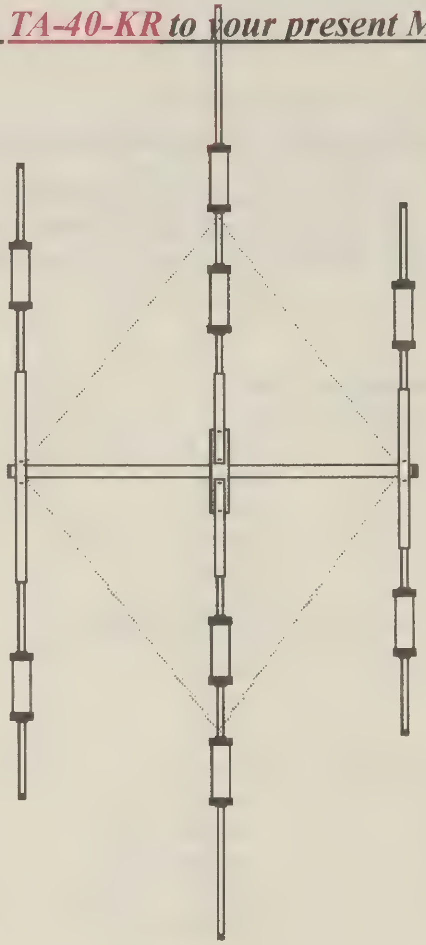








Enjoy the world of 40 Meters, by simply adding a TA-40-KR to your present Mosley.



Mosley TA-40-KR or TA-30-KR

Add 40 or 30 Meters

TA-40-KR

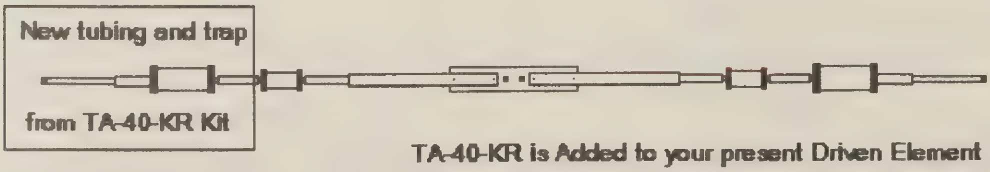
Note: Add these Specifications to the antenna you're adding the kit to for total weight, etc.

Maximum Element Length:	**+10 ft.**
Turning Radius:	**+4 ft.**
Wind Surface Area (in sq. ft.):	**+1.5 ft.^{2}**
Wind Load (EIA standard 80 MPH):	**+30 lbs.**
Assembled Weight:	**+10 lbs.**
Shipping Weight:	**25 lbs.**

"Out perform your present dipole or vertical!"

The TA-40-KR will turn your present antenna into a "Rotatable Dipole" on 40 or 30 meters, giving you a "Much" better signal than you would expect. If you think your "Vee" or "Wire Dipole" or "Vertical" is doing just fine, think again. The TA-40-KR or TA-30-KR will give you better performance with the ability to rotate your signal. It truly is worth the time and effort.

Note: For Additional Antenna Conversions, see the Conversion section of this catalog.



TA-40-KR is Added to your present Driven Element

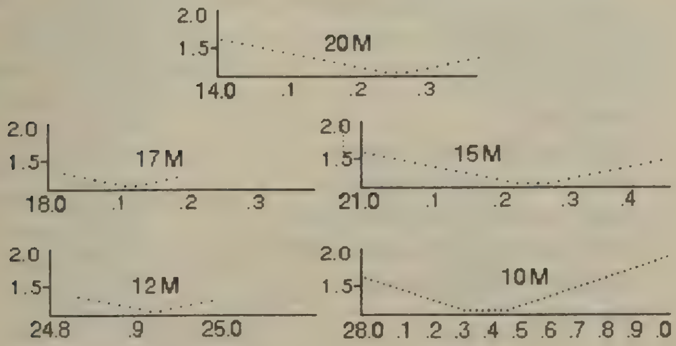
Mosley TA-53-M

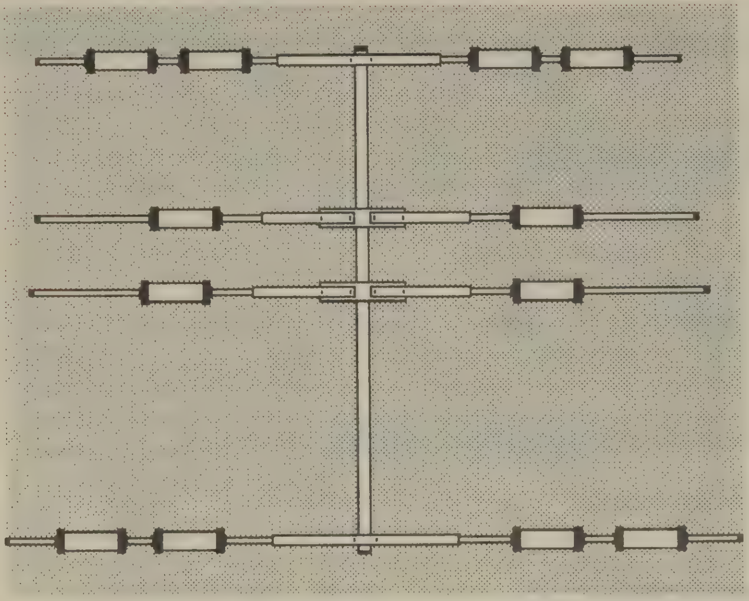
(One of our most popular antennas)

10, 12, 15, 17 & 20 Meter
4 Element Beam
3 Elements on 10, 12, 15, 17 & 20 Meters
Good all-around performance
No Measuring • Pre-Drilled • Color Coded.
Stainless Steel Hardware
2 Year Warranty

Specification and Performance Data

Forward Gain:	
10 Meter	7.9 dbd.
12 Meter	7.1 dbd.
15 Meter	6.9 dbd.
17 Meter	6.7 dbd.
20 Meter	6.5 dbd.
Front-to-Back Ratio:	
10 Meter	16 db.
12 Meter	5 db.
15 Meter	13 db.
17 Meter	12 db.
20 Meter	10 db
Power Rating:	
CW	1.5 KW
SSB	2.5 KW
Matching System:	"Q" match
Recommended coax: (RG-8-U/RG-213)	50/52 ohm
SWR at resonant frequency:	1.0/1 to 1.65/1
Boom Length:	2" x 14 ft.
Turning Radius:	14 ft. 11 in.
Recommended Mast Size:	2 in.
Maximum Element Length:	26 ft. 8 in.
Assembled Weight (approx.):	55 lbs.
Wind Surface Area (in sq. ft.):	6.7 ft.^{2}
Wind Load (EIA standard 80 M.P.H.):	160 lbs.
Shipping Weight (approx.):	66 lbs.
Warranty:	2 Years





The TA-53-M was designed to give the Ham who would like to have a 3 element beam on "5" bands, but keep the size of the antenna to a minimum.

The design criteria was:

1. A single feed line.
2. A very broad band capability, which will easily work with the new solid state rigs.
3. An antenna that was as compact as possible to justify its use on five bands.
4. To tune the 53-M for optimum gain, for a "5" band beam on a 14' boom.
5. To minimize the self interaction of the antennas operating frequencies due to the close proximity to each other on the various bands.
6. Build it to withstand any above average environ ments.

We feel this has been accomplished only at the expense of front to back. We considered this to be the least area of importance considering only one director and one reflector spaced over a 14' boom working on five bands.

For the ham that wants a heavy duty all around performer the TA-53-M is for you. It will equal or exceed anyone's 3 element beam on a 14 foot boom in the areas of gain, band width, swr and construction.

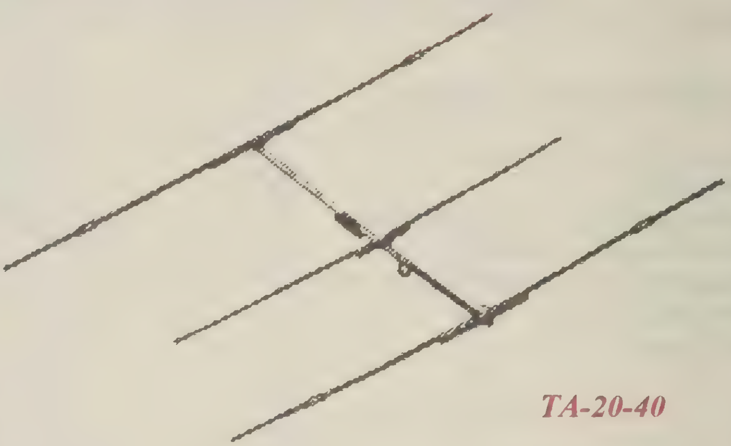
Even though the beam is on a 14' boom and we consider it a small, light weight antenna, it is heavier than our TA-33-M and two times heavier than some of our competitors products. This is due to its extra heavy duty construction. This antenna was originally designed to be used as a "light " weight Military and Commercial antenna; and in our Commercial department, it is considered light weight.

We feel the TA-53-M gives a Ham the best of all worlds in a small package.

The TA-53-M can also have 30 or 40 meters added to its front Driven element. This 40 meter kit can be added at any time. The kit for 40 is the TA-40-KR. The TA-30-KR adds 30 meters.

Another Mosley HF Commercial Special

The "TA-20-40"

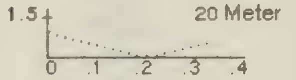


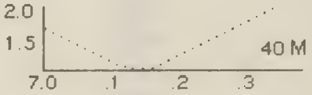
TA-20-40

Two Frequency Beam
2 Elements on 7.0 MHz
3 Elements on 14.0 MHz

TYPICAL SPECIFICATIONS AND PERFORMANCE

Forward Gain:	7 MHz	5.0 dbd
	14 MHz	8.1 dbd
Front-to-Back:	20 db	20 db
Coax Line:	RG-213	
Wind Surface Area (in sq. ft.):	15.5 ft.^{2}	
Wind Load:	345 lbs.	
Boom:	3" x .109 + .125 x 20'	
Longest Element:	54' 8"	
Turning Radius:	29'	
Assembled Weight (approx.):	150 lbs.	
Shipping Weight (approx.):	175 lbs.	
Warranty:	2 Years	





VHF Dual Band "Six" and "Two" Special
AM-2N6

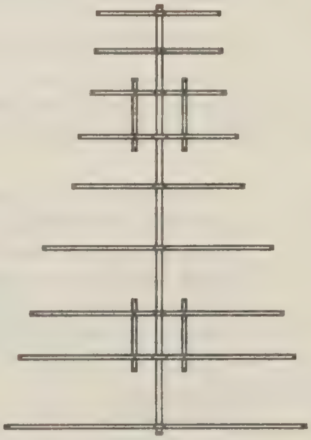
AM-2N6
4 Elements on Six Meters
5 Elements on Two Meters

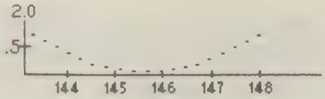
This antenna is also out of our commercial line and is built for extra heavy usage.

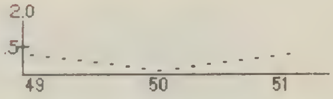
The elements are made out of aircraft tubing and are secured to the boom with 1/4-20 stainless U Bolts.

The antenna uses two separate feed lines which allows dual bands receiving and transmitting. This antenna is made to last a very long time.

Performance of the AM-2N6 is excellent.







Specification and Performance Data
AM-2N6

Forward Gain:	6 Meter	9.1 dbd.
	2 Meter	10.1 dbd.
Front-to-Back:	6 Meter	20 db.
	2 Meter	20 db.
Power Rating:	CW	1.5 KW
	SSB	3.0 KW
SWR at frequency:		1.0/1 to 1.6/1
Boom Length:		14 ft.
Turning Radius:		8' 9"
Mast Size:		1-1/2"
Maximum Element Length:		9 ft. 8"
Assembled Weight (approx.):		21 lbs.
Wind Surface Area (in sq. ft.):		2.5 ft.^{2}
Wind Load (EIA standard 80 M.P.H.):		50 lbs.
Shipping Weight (approx.):		30 lbs.
Warranty:		2 Years

Conversion Kits for the TA, Jr., MP, 53, CL Series of Antennas

These easy add on kits will increase your enjoyment and value of your antenna. By adding more frequencies to your beam, you eliminate the clutter and mess outside your QTH. For a few dollars you can double the value of your system!

These conversions only take a few hours and will give you years of enjoyment, especially with the **"Sun Spot"** cycle being down.

Build Your Ultimate "Trap-Master" Beam Mosley Conversion Kits are perfect for the Ham with little money who plans to eventually build the ultimate antenna. Start from a simple one element Mosley "Trap-Master" 10, 15 & 20 meter dipole. The easy-to-follow Mosley Kits allow you continuous operation while building the ultimate antenna.

To see the performance on each conversion, look up the data sheet in the catalog for the antenna to which you wish to convert.

To convert a TA-31-M or TA-31-JR-N to a TA-32 Model

Order: "Conversion Kit TA-31/32-M".
Order: "Conversion Kit TA-31/32 JR-N".

The one element antenna (above) can easily be converted to a two element antenna by adding a reflector element, a boom, boom-to-mast plate and necessary hardware.

To convert a TA-32-M or TA-32-JR-N to a TA-33 Model

Order: "Conversion Kit TA-32/TA-33-M".
Order: "Conversion Kit TA-32/TA-33-JR-N".

The popular two element "Trap-Master" 10, 15 & 20 meter beam is easily converted to a more powerful World Famous three element beam. To make a three element antenna add a director element, boom, boom splice and necessary hardware.

To convert a TA-33 to a TA-34-M

Order: "TA-33 to 34-M Kit".

Up-grade your present TA-33-M to a TA-34-M. All parts are furnished to provide you a simple up-grade to even more outstanding performance. Increases gain, also provides a narrower pattern, more directive, on all three bands.

ConversionKit To Add 30 or 40 to: MP-33, TA-Series 33 and 53, CL-33-M-WARC

Order: "TA-30-KR OR TA-40-KR Kit".

Owners of the TA-31, TA-32, TA-33, TA-34-M or XL, MP-33, TA-33-M WARC, CL-33-M-WARC & TA-53-M may have 30 or 40 meter conversion. Simply add the 30 or 40 meter conversion kit to the radiator on the beam. All Junior antennas must be converted to a MP-33 before adding a KR conversion kit.

TA-40-KR

Maximum Element Length:	+10 ft.
Turning Radius:	+4 ft.
Wind Surface Area (in sq. ft.):	+1.5 ft.^{2}
Wind Load (EIA standard 80 MPH):	+30 lbs.
Assembled Weight (approx.):	+10 lbs.
Shipping Weight (approx.):	15 lbs.

High Power Conversion Kit...For TA-32-JR or TA-33-JR

Order: "MPK-3". **The owners of a TA-33-JR may have higher power without buying an entirely new antenna. The addition of the MPK-3 Kit converts the TA-33-JR into essentially a new MP-33 Tig-Array (1000 watts CW, 2000 watts P.E.P. SSB.) (See Performance Data on the MP-33. Conversion to 30 or 40 meters is now possible.**

12 & 17 Meter Conversion Kit...For TA-33 or MP-33

Order: "SR WARC Kit". Work **12 and 17 meters in addition to 10, 15 & 20 meters by using a SR WARC rotatable dipole conversion kit on your TA-33 or MP-33. Kit includes 12 & 17 radiator element, stainless steel hardware, Mosley's Custom "Q" Match and assembly instructions.**

Power Rating: SR Warc Kit	
CW	1 KW
P.E.P. SSB.	2.5 KW
SWR at resonant frequency:	1.0/1 to 1.65/1
Wind Surface Area (in sq. ft.):	+1 ft.^{2}
Wind Load (EIA standard 80 MPH):	+15 lbs.
Assembled Weight (approx.):	+9 lbs.
Shipping Weight (approx.):	25 lbs.

12 & 17 Meter Conversion Kit ...For a TA-32-JR or TA-33-JR

Order: "JR WARC Kit". Work **12 and 17 meters in addition to 10, 15 & 20 meters by using a JR WARC rotatable dipole conversion kit on your TA-33-JR. Kit includes 12 & 17 radiator element, stainless steel hardware, Mosley's Custom "Q" Match and assembly instructions.**

Power Rating: JR WARC Kit	
CW	.5 KW
P.E.P. SSB.	1.2 KW
SWR at resonant frequency:	1.5/1 or better
Wind Surface Area (in sq. ft.):	+.75 ft.^{2}
Wind Load (EIA standard 80 MPH):	+12 lbs.
Assembled Weight (approx.):	+6 lbs.
Shipping Weight (approx.):	25 lbs.

12 & 17 Meter Conversion Kit...For TA-34-M or TA-34-XL

Order: "34-XL WARC Kit" for TA-34-XL
Order: "34-M WARC Kit" for TA-34-M.

Work 12 and 17 meters in addition to 10, 15 & 20 meters by using a 34 WARC rotatable dipole conversion kit on your TA-34-XL. Kit includes 12 & 17 radiator element, stainless steel hardware, Mosley's Custom "Q" Match and assembly instructions.

Power Rating: M/XL WARC Kit	
CW	1.5 KW
P.E.P. SSB.	2.5 KW
SWR at resonant frequency:	1.0/1 to 1.65/1
Wind Surface Area (in sq. ft.):	+1 ft.^{2}
Wind Load (EIA standard 80 MPH):	+15 lbs.
Assembled Weight (approx.):	+10 lbs.
Shipping Weight (approx.):	25 lbs.

New ! CL-33-WARC Kit . Now you can add 12, 17 Meters to your CL-33. Once you add the WARC Kit you can then also add 40 Meters.

3 Elements on 12 & 17 Meters

TW-23-M can be converted to a TA-33-M or a TA-33-M-Warc at a later time.

You can also upgrade the TW-23-M to a TW-24-M, giving you 4 "big" elements on 12 and 17.

TW-21-M, 1 Element on 12 & 17
TW-22-M, 2 Element on 12 & 17
TW-23-M, 3 Element on 12 & 17

(Just like the TA-Series you can start with one element and work your way to three elements!)

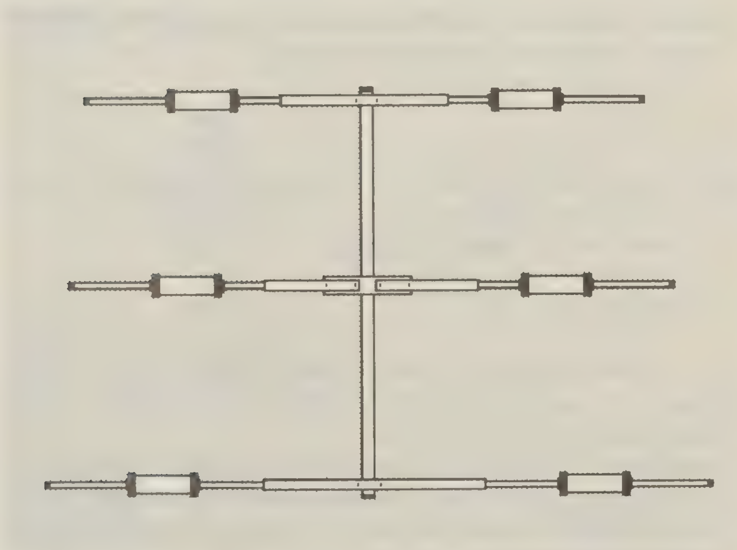
The TW-23-M is a 3 element beam for 12, 17 Meters! We have had so many requests for a quality 3 element 12 and 17 meter antenna that we took this model from one of our commercial dual banders, which we have been making since 1958 and converted it to the ham bands. This beam is built in the **MOSLEY** tradition and will give you **YEARS** of great performance!

The Mosley **TW-23-M** is designed to give you both medium and long range communication capabilities.

The look of the TW-23-M is almost exactly like the **World Famous** TA-33. The size, performance and construction is in the TA-33 tradition! The TW-23-M is a perfect match with the TA-33 or any other Tri Band Beam. The **TW-23-M** is designed to be stacked above your existing Tri band antenna or as a stand alone antenna.

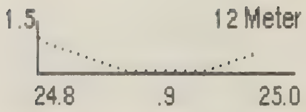
As with all Mosley antennas, your elements and boom pieces are all pre-drilled and color coded, which makes assembly quick and easy. The antenna can be used with a balun.

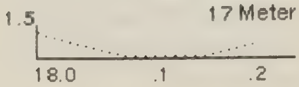
As with ALL Mosley antennas, our hardware is made of the best grade of **Stainless Steel** and our tubing is **Aircraft grade drawn** aluminum. The warranty on the **TW-23-M** antenna is **two years** against any defects of material or workmanship.



Specifications and Performance Data for TW-23-M

Gain at 18.0 MHz		6.8 dbd
Gain at 24.0 MHz		7.2 dbd
Front to Back at 18 MHz		20.0 db
Front to Back at 24 MHz		20.0 db
Transmission Line Coaxial:		50/52.0 ohm
Square Foot Area:		5.7 sq. ft.
Wind Load (@ EIA 80 m.p.h.)		129 lbs.
Wind Loading Capability:		
	No ice	100 m.p.h.
	1/4" Radial ice	80 m.p.h.
Boom:		1.5" x .125 x 14'
Mast Size:		1.5" or 2"
Longest Element Length:		28' 6"'
Turning Radius:		15' 7"
Power Rating:	SSB	2500 watts
	Continuous Carrier	800 watts
	CW	1500 watts
Polarization:		Horizontal
Connection:		Direct
Maximum VSWR:		1.3/1
Average VSWR:		1.15/1
Antenna Weight:		38.0 lbs
Shipping Weight:		42.0 lbs





TW-21-M and TW-22-M have the same specifications as the TA-31-M and TA-32-M except they cover 12 & 17 meters.

Mosley TW-24-XL
4 Element 12, 17 Meters

NEW!

"4 Elements on 12 and 17 Meters"

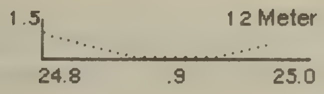
The TW-24-XL is a **"New"** heavy duty 4 element beam for **12, 17 Meters!** This New beam is built in the **MOSLEY** tradition and will give you **YEARS** of great performance!

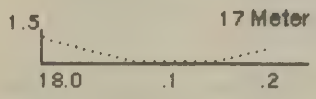
The "New" Mosley **TW-24-XL** is designed to give you both medium and long range communication capabilities.

The TW-24-XL is a perfect match with the TA-33 or any other Tri Band Beam. The **TW-24-XL** is designed to be stacked above your existing Tri band antenna or as a stand alone antenna.

As with all Mosley antennas, your elements and boom pieces are all pre-drilled and color coded, which makes assembly quick and easy. The antenna can be used with a balun.

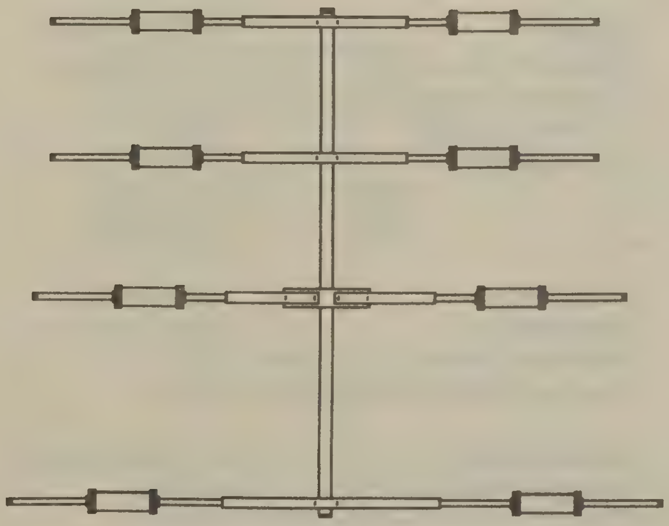
As with ALL Mosley antennas, our hardware is made of the best grade of **Stainless Steel** and our tubing is **Aircraft grade drawn** aluminum. The warranty on the **TW-24-XL** antenna is **two years** against any defects of material or workmanship





Specifications and Performance Data for TW-24-XL

Gain at 18.0 MHz		**8.4 dbd**
Gain at 24.0 MHz		**9.0 dbd**
Front to Back at 18 MHz		**20.0 db**
Front to Back at 24 MHz		**20.0 db**
Transmission Line Coaxial:		**50/52.0 ohm**
Square Foot Area:		**6.9 sq. ft.**
Wind Load (@ EIA 80 m.p.h.)		**184 lbs.**
Wind Loading Capability:		
	No ice	**100 m.p.h.**
	1/4" Radial ice	**80 m.p.h.**
Boom:		**2" x 21'**
Mounting Mast Size:		**2"**
Longest Element Length:		**28' 6"'**
Turning Radius:		**17 ft. 9 in.**
Power Rating:	**SSB**	**2500 watts**
	Continuous Carrier	**800 watts**
	CW	**1500 watts**
Polarization:		**Horizontal**
Connection:		**Direct**
Maximum VSWR:		**1.3/1**
Average VSWR:		**1.15/1**
Antenna Weight:		**68.0 lbs**
Shipping Weight:		**74.0 lbs**



TW-33-XL, TW-32-XL TW-31-XL

NEW! A heavy duty 3 element beam for 30, 17, 12 Meters! This new beam is built in the MOSLEY tradition and will give you YEARS of great performance!

TW-32-XL - 2 Element 12, 17, 30 Meters
TW-31-XL - 1 Element 12, 17, 30 Meters

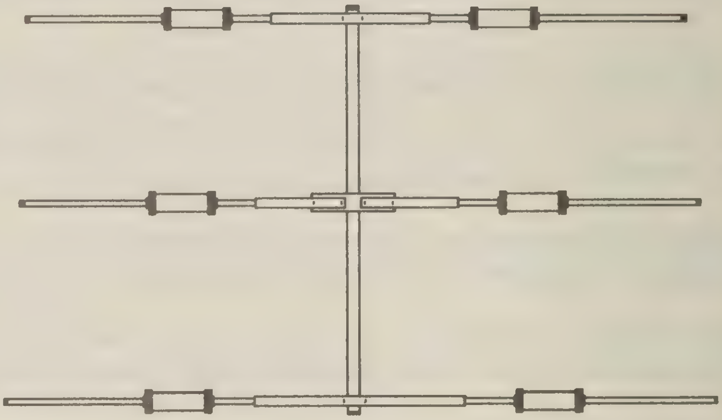
Specifications and Performance Data for *TW-33-XL*

Gain at 10.0 MHz	6.0 dbd
Gain at 18.0 MHz	6.8 dbd
Gain at 24.0 MHz	7.2 dbd
Front to Back at 10 MHz	18.0 db
Front to Back at 18 MHz	20.0 db
Front to Back at 24 MHz	20.0 db
Transmission Line Coaxial	50/52.0 ohm
Square Foot Area	7.2 sq. ft.
Wind Load (@ EIA 80 m.p.h)	180 lbs.
Wind Loading Capability:	
No ice	100 m.p.h.
1/4" Radial Ice	80 m.p.h.
Boom	2" x .104 x 18'
Mounting Mast Size	2" Thick wall
Longest Element Length	33' 7"'
Turning Radius	18' 5"
Power Rating:	
SSB	2500 watts
CW.	1500 watts
Polarization	Horizontal
Connection:	Mosley Feed
Maximum VSWR at 50 ohms	1:1.5
Average VSWR at 50 ohms	1:1.2
Antenna Weight	55.0 lbs. (approx.)
Shipping Weight	65.0 lbs.

The 2element version has 3.5 dbd on 30 meters, 5.0 dbd on 17 meters and 5.2 dbd on 12 meters.

The 1element performs as a rotatable dipole on all three bands.

NEW!
"3 Elements on 12, 17 and 30 Meters"



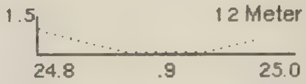
The **Mosley TW-33-XL** is designed to give you both medium and long range communication capabilities.

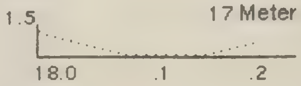
As with **all Mosley antennas**, your elements and boom pieces **are all pre-drilled and color coded**, which makes assembly quick and easy.

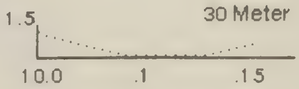
The antenna can be used with a balun.

As with ALL Mosley antennas our hardware is made of the best grade of Stainless Steel and our tubing is drawn aluminum.

The warranty on this antenna is **two years** against any defects of material or workmanship.







CL-33-M

Covers 10, 15, 20 Meters

The **CL-33-M** is a heavy duty 3 element beam for **10, 15, 20 Meters!** This beam is built in the **MOSLEY** tradition and will give you **YEARS** of great performance!

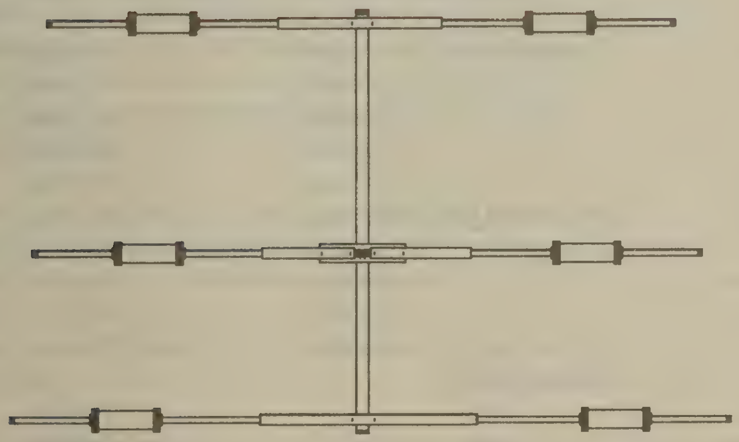
The Mosley **CL-33-M** is designed to give you an Excellent 3 element beam on 10, 15, and 20 meters.

The **CL-33-M** uses the Mosley **"Classic*"** match and gives the antenna an excellent bandwidth while maintaining a High "Q" throughout all three bands.

As with all Mosley antennas, your elements and boom pieces are all pre-drilled and color coded, which makes assembly quick and easy.

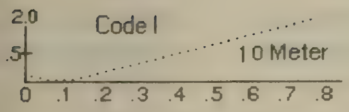
As with ALL Mosley antennas, our hardware is made of the best grade of **stainless steel** and our tubing is **aircraft grade drawn** aluminum. The warranty on the **CL-33-M** antenna is **two year** against any defects of material or workmanship.

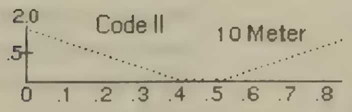
For above average Tri Band performance a CL-33-M is for you! Ask the Ham that owns one.

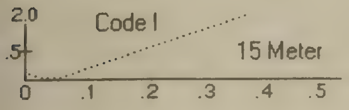


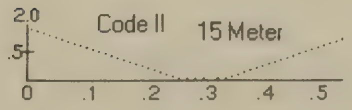
Specification and Performance Data
*CL-33-M**

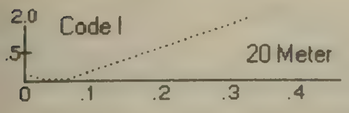
Forward Gain:	**10 Meter**	**8.5 dbd.**
	15 Meter	**8.1 dbd.**
	20 Meter	**7.3 dbd.**
Front-to-Back:	**10 Meter**	**20 db.**
	15 Meter	**23 db.**
	20 Meter	**23 db.**
Power Rating:		
	CW	**1.5 KW**
	SSB	**2.5 KW**
SWR at resonant frequency:		**1.0/1**
Boom Length:		**2" x .125 x 18'**
Turning Radius:		**16 ft.**
Recommended Mast Size:		**2 in.**
Maximum Element Length:		**27 ft.**
Assembled Weight (approx.):		**42 lbs.**
Wind Surface Area (in sq. ft.):		**6.0 ft.²**
Wind Load (EIA standard 80 M.P.H.):		**120 lbs.**
Shipping Weight (approx.):		**47 lbs.**
Warranty:		**2 Yrs.**

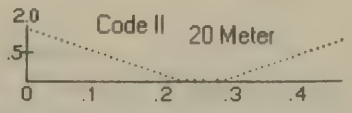












NEW! Mosley CL-33-WARC Kit

Convert your CL-33 to a CL-33-WARC with our "NEW" CL-33-WARC-Kit. This is an easy mod that will give you an even "Hotter" CL-33. Conversion will give the above performance!

Once your conversion is completed you can add 40 Meters with a TA-40-KR!

---

*The name "Classic", "Mosley Classic", "Classic 33", "CL-33 Classic", "Classic Feed", "Classic Tri-Band Beam", "Classic 3 Band" are all copyrighted or patented names solely belong to Mosley Electronics, Inc. Any use without the express permission of M.E.I. is prohibited.

Mosley CL-33-WARC

Covers 10, 12, 15, 17, 20 Meters

**CL-33 owners, now you can add 12, 17, and 40 Meters to your system! See CL-33-WARC kit.*

The **CL-33-WARC*** is a heavy duty 4 element beam for **10, 12, 15, 17, 20 Meters!** This New beam is built in the **MOSLEY** tradition and will give you **YEARS** of great performance!

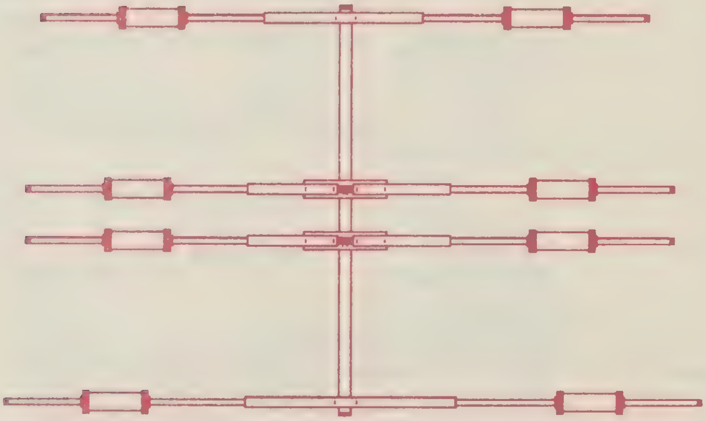
This antenna is designed to give you an Excellent 3 element beam on 10, 15, and 20 meters, with better performance than the original CL-33. The CL-33-WARC also has a single rotatable dipole on 12 and 17 meters.

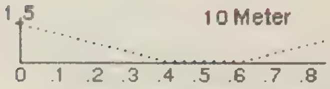
The **CL-33-WARC** uses the Mosley **"Q"** match and gives the antenna a bandwidth that is twice as broad as the old CL-33. The CL-33-WARC uses just one feed line and now is a simple direct feed connection.

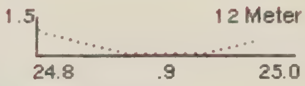
New to the CL-33 series is the ability to add 40 meters to the CL-33-WARC. You can now use our standard TA-40-KR to add 40 meters. Also those who already own a CL-33 can convert their Classic to a CL-33-WARC and then can add the 40 meter add on.

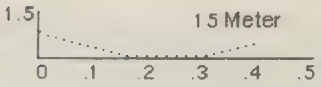
As with all Mosley antennas, your elements and boom pieces are all pre-drilled and color coded, which makes assembly quick and easy.

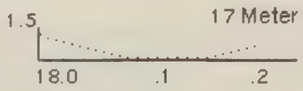
Our hardware is made of the best grade of **Stainless Steel** and our tubing is **Aircraft grade drawn** aluminum. The warranty on the **CL-33-WARC** antenna is **two years** against any defects of material or workmanship.

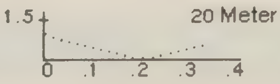












Specification and Performance Data
CL-33-WARC

Forward Gain:	**10 Meter**	**8.5 dbd.**
	12 Meter	**0.0 dbd.**
	15 Meter	**8.1 dbd.**
	17 Meter	**0.0 dbd.**
	20 Meter	**7.0 dbd.**
Front-to-Back:	**10 Meter**	**20 db.**
	12 Meter	**0 db.**
	15 Meter	**20 db.**
	17 Meter	**0 db.**
	20 Meter	**20 db.**
Power Rating:		
	CW	**1.5 KW**
	SSB	**2.5 KW**
SWR at resonant frequency:		**1.0/1 to 1.6**
Boom Length:		**2" x .125 x 18'**
Turning Radius:		**15 ft. 6 in.**
Recommended Mast Size:		**2 in.**
Maximum Element Length:		**28 ft.**
Assembled Weight (approx.):		**52 lbs.**
Wind Surface Area (in sq. ft.):		**7.0 ft.^{2}**
Wind Load (EIA standard 80 M.P.H.):		**131 lbs.**
Shipping Weight (approx.):		**57 lbs.**
Warranty:		**2 Years**

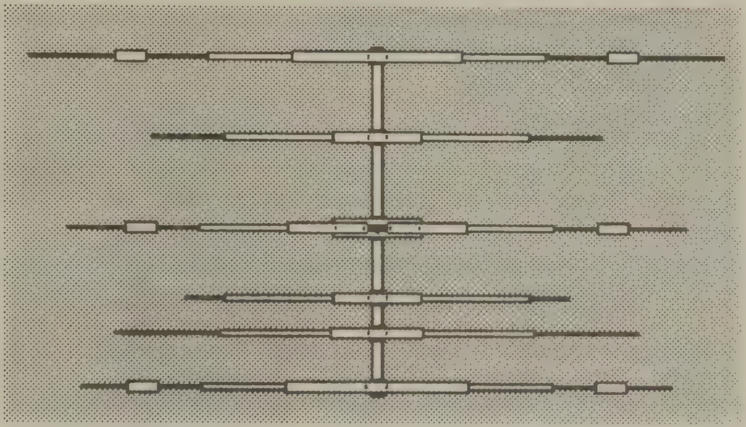
**Mosley CL-33-WARC Kit*

***Convert your CL-33 to a CL-33-WARC with our CL-33-WARC-Kit. This is an easy mod, that will give your CL-33 even "Hotter" performance, more band width and versatility!**

Mosley Classic* CL-36-M

10, 15 & 20 Meter
6 Element Beam
8.1 db. Average Forward Gain
20+ db. Front-to-Back Ratio

CL-36-M



The "CL-36" is designed for the operator who wants the best performance possible in a Tri Band antenna. The CL-36 gives you a "BIG" signal on 10-15-20.

The Classic* 36 features the Mosley patented "Classic Feed" System for capacitive matching.

A sure formula for DX success!

Six wide spaced elements: Four operating elements on 10 meters, Three operating elements on 15 and 20 meters. Band switching is automatic by means of high-impedance resonant trap circuits. This exclusive Mosley trap design provides resonant stability under all conditions and handles the full 1500 watts CW and 2500 watts P.E.P. on SSB.

The rugged lightweight aluminum construction with stainless steel hardware enables the Classic 36 to withstand high winds, extreme cold and equatorial heat.

This beam will weather the rigors of climate variation and long use.

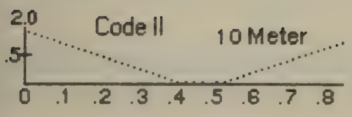
A 2" outside diameter support mast and heavy duty rotor are recommended.

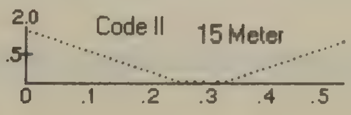
Like all Mosley antennas the CL-36-M comes complete with illustrated instructions and is color coded with pre-drilled holes for ease of assembly.

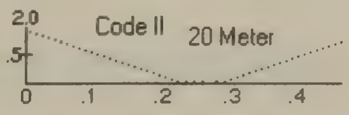
The CL-36-M isn't designed for 12, 17, 30 or 40 meter conversions.

Specification and Performance Data
CL-36-M

Forward Gain:	10 Meter	9.1 dbd.
	15 Meter	8.6 dbd.
	20 Meter	8.4 dbd.
Front-to-Back:	10 Meter	25 db.
	15 Meter	24 db.
	20 Meter	24 db.
Power Rating:		
	CW	1.5 KW
	SSB	2.5 KW
SWR at resonant frequency:		1.0/1 to 2.0
Boom Length:		2" x .104 + .125 x 24'
Turning Radius:		19 ft. 3 in.
Recommended Mast Size:		2 in.
Maximum Element Length:		29 ft 9 in.
Assembled Weight (approx.):		69 lbs.
Wind Surface Area (in sq. ft.):		10.7 ft.^{2}
Wind Load (EIA standard 80 M.P.H.):		210 lbs.
Shipping Weight (approx.):		74 lbs.
Warranty:		2 Years







*The name "Classic", "Mosley Classic", "Classic 33", "CL-33 Classic", "Classic Feed", "Classic Tri-Band Beam", "Classic 3 Band" are all copy copyrighted or patented names solely belong to Mosley Electronics, Inc. Any use without the express permission of M.E.I. is prohibited.

SUPER-33 FOR 17, 20, AND 40 METERS!

- *Extra Heavy Duty Construction*
- *3" O.D. Thick Wall Boom*
- *3/8" Diameter 303 Annealed U-Bolts*
- *3" Large High Power, High "Q" Traps*
- *Direct Feed or 1:1 Balun*
- *2 Year Full Warranty*

The SUPER 33 has been built out of our **COMMERCIAL** line by special request! You have asked for a Beam which will give you great performance on these bands without having a size that's TOO BIG to handle.

The **S-33** is on a **24 Foot, 3" Heavy Duty** boom that requires NO STRUT and is capable of handling any environment.

With the SUN SPOT activity down, 17, 20 and 40 are being used the most. Just think one compact beam for the 3 most favorite DX bands!

Mosley, after 50 years, is still the most creative antenna manufacturer in the world! Everyone else is just a copy in one way or another. **BUY the originals**, give yourself years and years of reliable, trouble free performance!

Give your station the MOSLEY edge!

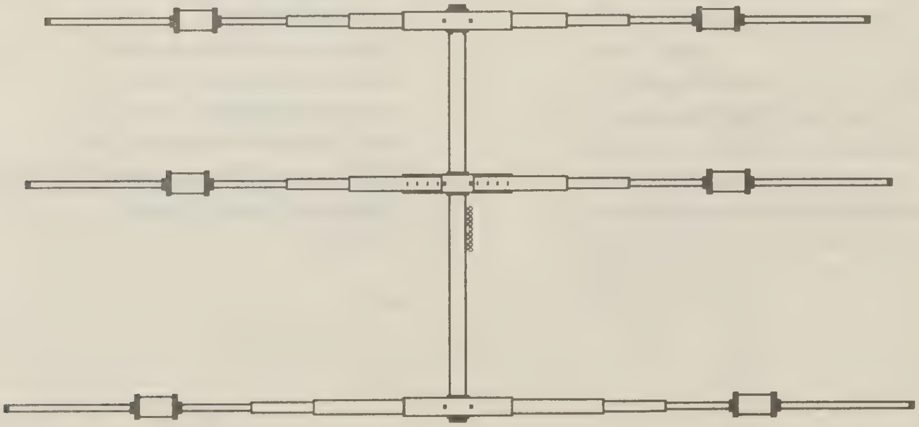
Mosley S-33

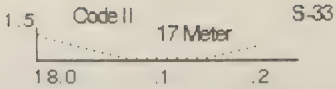
17-20-40 Meter, 3 Element Beam

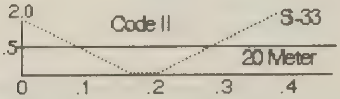
Specification and Performance Data

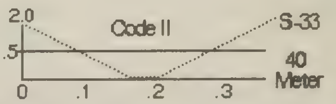
Super 33

Forward Gain:	17 Meter	8.3 dbd.
	20 Meter	7.5 dbd.
	40 Meter	6.7 dbd.
Front-to-Back:	17 Meter	25 db.
	20 Meter	25 db.
	40 Meter	20 db.
Power Rating:	CW	2.5 KW
	SSB.	5.0 KW
SWR at frequency:		1.0/1 to 2.0/1
Boom Length:		24 ft.
Turning Radius:		24' 6"
Mast Size:		2 in. or 3 in.
Maximum Element Length:		40 ft.
Assembled Weight (approx.):		95 lbs.
Wind Surface Area (in sq. ft.):		10.0 ft.^{2}
Wind Load (EIA standard 80 M.P.H.):		270 lbs.
Shipping Weight (approx.):		110 lbs.
Warranty:		2 Years









The Mosley "SUPER" Beams the "PROS!"

There are those out there that have been trying to copy and design a version of the PRO for the last 14 years, but as with the copied TA-33, the TA-33 is still the best performing, durable, 14 foot tri-band beam made. The PRO series are the best performing, reliable and cost affective multi frequency antenna in the market place.

Regardless of what other products our competitors sell to compete with the PROs, the **PRO series** offers the best **all around** beams in the industry! (The PRO's offer the radio community the most complete, cost affective and varied product line anywhere in the world.)

The newest antenna to the PRO family is our ***"New" PRO-67-C!*** This antenna has become are most popular PRO and there are good reasons why it has. The 67-C has 3 elements on 40 meters and a rotatable dipole on 30 meters! The 30 meter portion of the **PRO-67-C** has out performed all of the dipoles, verticals, loops and vee's we have tested it against. Add in the other 5 bands and you can see we have one of the most powerful, versatile beam antenna made anywhere in the world! Nothing else exists to compete with the 67-C. In performance or price.

These PRO's have been "Hurricane" tested in both "Hugo and "Andrew". The PROs have been through one of the worst ice storm n Minnesota in years. Regardless of the environment the PROs are rugged, stable, and reliable year after year.

When you lead the pack in creative design, we realize we are going to get the most criticism and heat. That is why we keep reviewing all of our products to see what we can do to improve their performance. We want to be our worst critic! It is easy to take someone else's idea and pick it apart. The latest generation of PRO's are better performers than the original PRO-37 of 1980, the PRO-57 of 1984, the PRO-57-A of 1988.

The PRO-57-B of July of 1991 is the best built, most trouble free "5" band, "7" element, 24 foot boom antenna in the world. Period!

We have included a few of the names and calls of hams who own the PROs with the catalog. We encourage you to contact them to hear what they think of their antenna. If you need more information on the PROs or would like more references, please contact our engineering department.

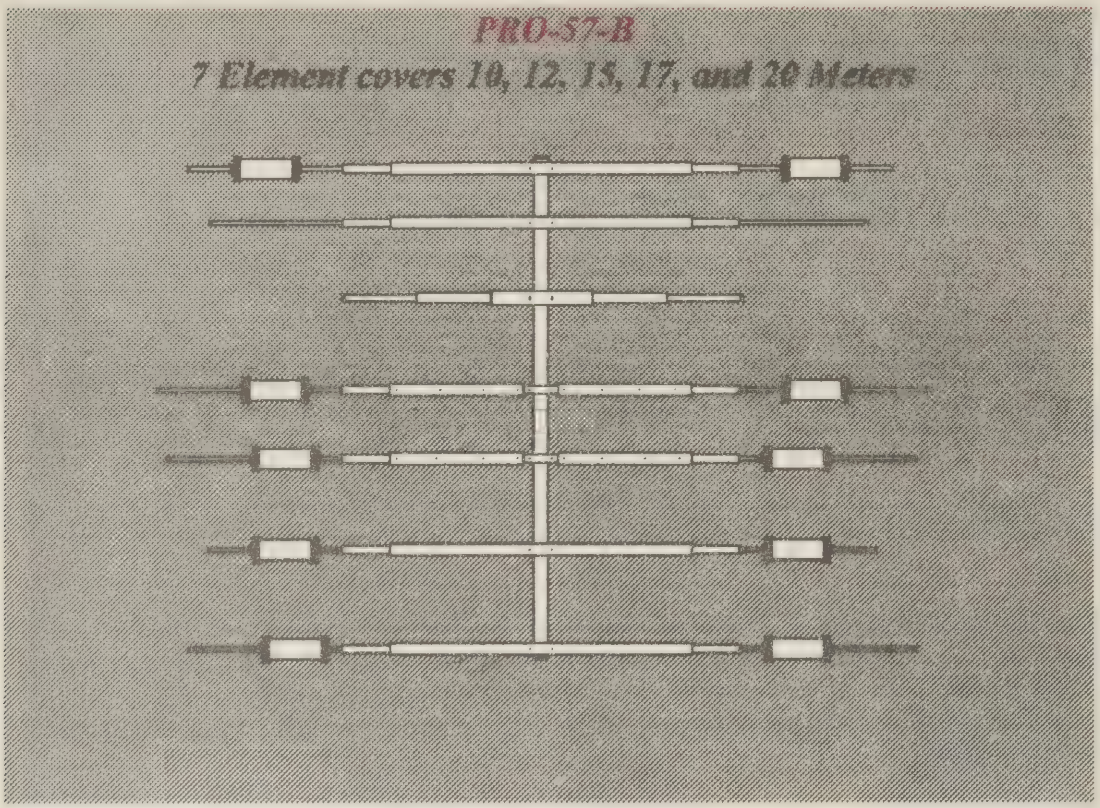
All of the PROs are predrilled and Color Coded so they are extremely easy to assemble. There is no need to measure, slide elements or deal with hose clamps.

We weight test our element sections. A Mosley will take 1.4 times more pulling strength than any other design. We use seamless aircraft grade tubing with a telescoping tolerance of +/- .003 to .005 thousands. Once our stainless screw is inserted into these element sections they aren't going to fall apart. Our element to boom clamps are made by us, from our own sand castings. These parts, in their own right, are a beautiful piece of workmanship! Our 24' booms are strong enough to survive extreme ice, winds and other weather conditions without a strut.

The **"in use"**, life of a Mosley, is between 27 and 30 years! That's longer than most of our competitors have been in the antenna business!

f your looking for an antenna with **"Excellent"** performance, which is trouble free and a great investment, **then all you have to do is remember the name "Mosley"!**

The name "Mosley" is the most important thing you need to know about antennas!

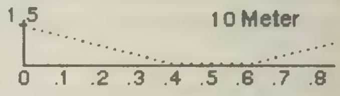


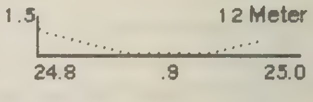
PRO-57-B

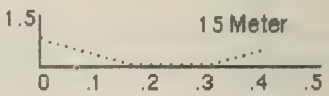
7 Element covers 10, 12, 15, 17, and 20 Meters

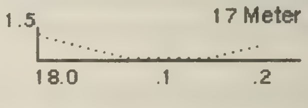
PRO-57-B

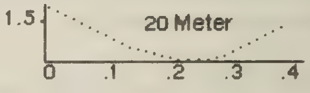
SWR Curves are for Code Setting II











Specifications and Data

Forward Gain:	10 Meter	(4 Elements)	9.4 dbd.
	12 Meter	(3 Elements)	8.3 dbd.
	15 Meter	(3 Elements)	8.5 dbd.
	17 Meter	(3 Elements)	8.5 dbd.
	20 Meter	(3 Elements)	8.5 dbd.
Front-to-Back:	10 Meter		20 db.
	12 Meter		15 db.
	15 Meter		20 db.
	17 Meter		23 db.
	20 Meter		20 db.
Power Rating:	CW		2.5 KW
	SSB		5.0 KW
	RTTY		600 W
SWR at resonant frequency:			1.0/1 to 1.6
Boom Length:		(Standard 2" x .104 + .125 x 24 ft.)	
		(Optional 3" x .109 + .125 x 24 ft.)	
Turning Radius:			18 ft. 4 in.
Recommended Mast Size:			2 in.
Maximum Element Length:			27 ft. 6 in.
Assembled Weight:	2" Boom		92 lbs.
	3" Boom		106 lbs.
Wind Surface Area (in sq. ft.):			11.0 ft.^{2}
Wind Load (EIA standard 80 M.P.H.):			280 lbs.
Shipping Weight (approx.):			110 lbs.
Warranty:			2 Years

PRO-57-B-40

10-12-15-17-20-40 Meter

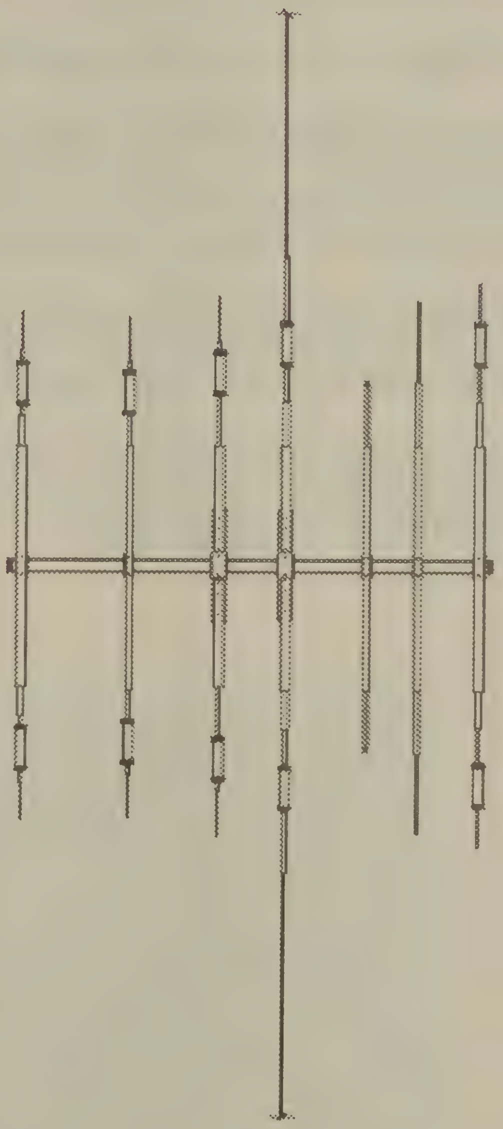
7 Element Beam

Same as a PRO-57-B plus a rotatable dipole on 40 Meters. The 40 Meter element will out perform a fixed dipole, vertical or loop antenna.

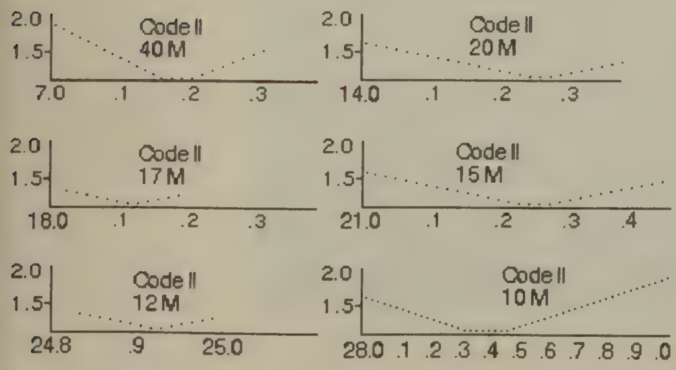
Specifications and Data

orward Gain:	10 Meter (4 Elements)	9.4 dbd.
	12 Meter (3 Elements)	8.3 dbd.
	15 Meter (3 Elements)	8.5 dbd.
	17 Meter (3 Elements)	8.5 dbd.
	20 Meter (3 Elements)	8.5 dbd.
	40 Meter (Dipole)	0.0 dbd.
ront-to-Back:	10 Meter	20 db.
	12 Meter	15 db.
	15 Meter	20 db.
	17 Meter	23 db.
	20 Meter	20 db.
	40 Meter	0 db.
ower Rating:	CW	2.5 KW
	SSB	5.0 KW
	RTTY	600 W
WR at resonant frequency:		1.0/1 to 1.6
oom Length:	(Standard 2" x .104 + .125 x 24 ft.)	
	(Optional 3" x .109 + .125 x 24 ft.)	
urning Radius:		22 ft.
ecommended Mast Size:		2 in.
aximum Element Length:		44 ft.
ssembled Weight:	2" Boom	98 lbs.
	3" Boom	110 lbs.
'ind Surface Area (in sq. ft.):		11.3 $ft.^2$
'ind Load (EIA standard 80 M.P.H.):		280 lbs.
hipping Weight (approx.):		117 lbs.
'arranty:		2 Years

"Great on 40, and can be upgraded to a PRO-67-B later on!"



SWR Curves are for Code Setting II



PRO-67-B

10-12-15-17-20 and

2 Elements on"40" Meter

7 Total Elements

PRO-67-B "The DX Finder"

The "PRO-67-B" is a Great All Around 24 foot boom antenna built anywhere! Only 7 elements giving you "6" BANDS!

The performance on these frequencies is above average and gives you a well made beam, which will give you years and years of enjoyable operating.

If you compare "Apples to Apples" the PRO-67-B is the best performer in its class!

The PRO-67-B uses only 1 feed line with a single connection point.

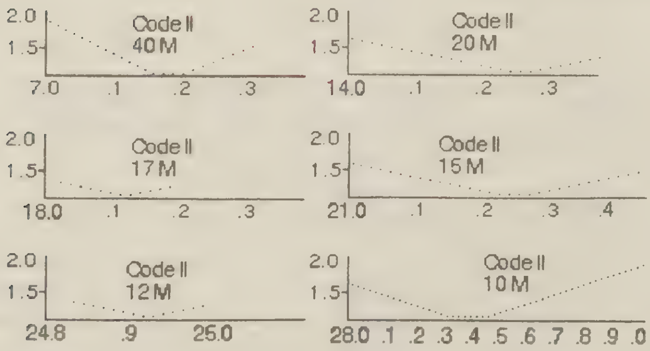
The antenna uses an efficient direct feed. No balun or other matching device is used. The "B" model is far superior to any of the earlier PRO-67's. As with any new concept, the more exploration that takes place, new and better ways are found. This is true of the PRO-67 series. The PRO-67-B has the latest design and incorporates the latest engineering improvements that have evolved over the last 14 years with this design.

Due to the realization that there is always a better way of doing something, Mosley offers up grade kits to your existing antenna which allows you to improve your system without totally replacing your antenna. We want you to have the ability to add our latest technology to your present system.

Years later, others are using 11 elements to arrive at "5" band operation at a higher price! Our PRO-67-B, with seven elements, will give you big "6" band performance which will allow you to stand out on 10, 12, 15, 17, 20 and 40 with one strong, compact system **at a low price!**

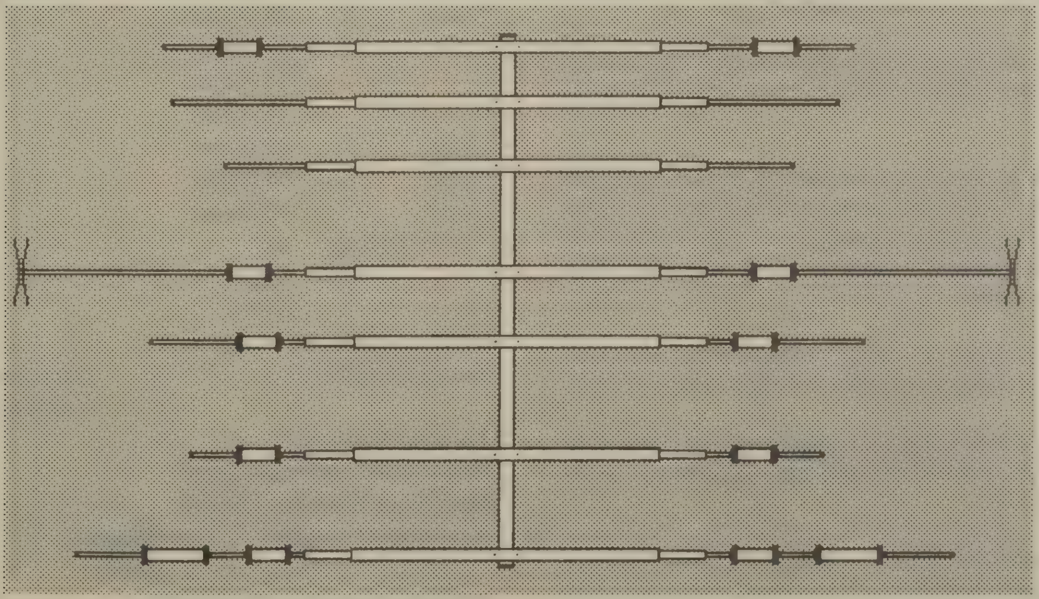
PRO-67-B

SWR Curves are for Code Setting II



Specifications and Data
PRO-67-B

Forward Gain:	10 Meter (4 Elements)	9.4 dbd.
	12 Meter (3 Elements)	8.3 dbd.
	15 Meter (3 Elements)	8.5 dbd.
	17 Meter (3 Elements)	8.5 dbd.
	20 Meter (3 Elements)	8.5 dbd.
	40 Meter (2 Elements)	4.9 dbd.
Front-to-Back:	10 Meter	20 db.
	12 Meter	15 db.
	15 Meter	20 db.
	17 Meter	23 db.
	20 Meter	20 db.
	40 Meter	12 db.
Power Rating:	CW	2.5 KW
	SSB	5.0 KW
	RTTY	600 W
SWR at resonant frequency:		1.0/1 to 1.6
Boom Length:	(Standard	2" x .104 + .125 x 24 ft.)
	(Optional	3" x .109 + .125 x 24 ft.)
Turning Radius:		23 ft. 8 in.
Recommended Mast Size:		2 in.
Maximum Element Length:		43 ft. 9 in.
Assembled Weight:	2" Boom	110 lbs.
	3" Boom	138 lbs.
Wind Surface Area (in sq. ft.):		11.6 ft.^{2}
Wind Load (EIA standard 80 M.P.H.):		280 lbs.
Shipping Weight (approx.):		117 lbs.
		148 lbs.
Warranty:		2 Years



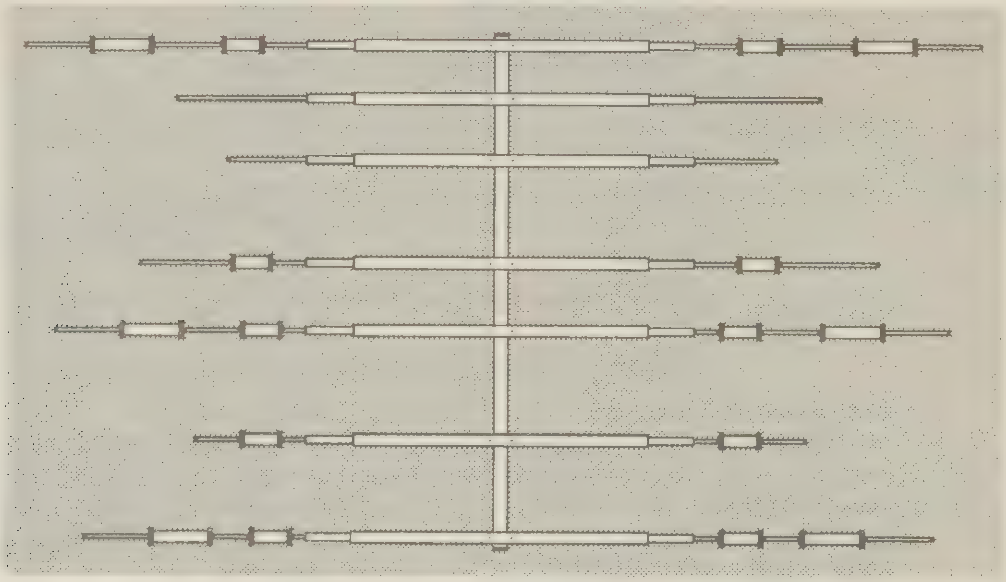
NEW (7) Seven Bands!

PRO-67-C

10-12-15-17-20-30 and
3 Elements on"40" Meter
Total of Only 7 Elements

New PRO Gives You 3 Elements on 40, Plus 30 Meters!

Big 40 Meter Signal in a Small Package



One of the Biggest Break Throughs in Antenna History!

Think of it: One antenna with, 4 Elements on 10, 3 Elements on 12, 3 Elements on 15, 3 Elements on 17, 3 Elements on 20, 1 Element on 30 Meters and 3 Elements on 40 Meters. All with one Feed Line!

The New PRO-67-C has improved front to back and more gain on 40 meters.

The **PRO-67-C** is 12.1 square foot of SUPER antenna. Stop and think "One" compact antenna giving you these bands and performance in just one system! Not to mention one installation.

The **New PRO-67-C** will compete with the big boys on 40 meters. (If you've never used a beam on 40 your in for a "Tremendous" surprise using the **PRO-67-C**!)

The **PRO-67-C** is another Mosley 1st! It has almost the same gain as the PRO-67-B, however due to the addition of a 3rd forty meter reflector and the way the elements are configured on the **PRO-67-C**, we were able to increase the front to back ratio with very little affect on the higher frequencies gain.

The **PRO-67-C** uses the Mosley "Q" match. A single 50/52 ohm feed line bolts directly to the phasing lines. (No insertion losses.)

The **PRO-67-C**'s band width is a little narrower on 40, 20, 15 and 10 meters than the PRO-67-B. Instead of being 1.65 at the edges on 20 meters the "C" will have 1.9.

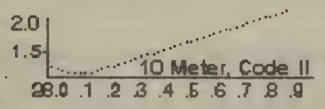
The **PRO-67-C** is the latest in Mosley break through and will out perform any of our competitors antenna in the same basic size, on all "Seven" Bands at a LOWER PRICE!

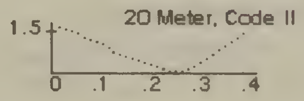
If you have a tower and a rotor which will handle 12.1 square foot, then you owe it to yourself to experience this tremendous antenna.

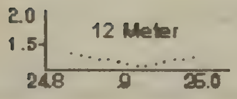
PRO-67-C
Specifications and Data

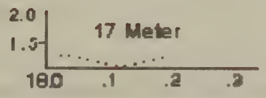
Forward Gain:		**10 Meter (4 Elements)**	**9.3 dbd.**
		12 Meter (3 Elements)	**8.3 dbd.**
		15 Meter (3 Elements)	**8.3 dbd.**
		17 Meter (3 Elements)	**8.3 dbd.**
		20 Meter (3 Elements)	**8.2 dbd.**
	***New**	**30 Meter (1 Element)**	**0.0 dbd**
	***New**	**40 Meter (3 Elements)**	**6.8 dbd.**
Front-to-Back:			
	***New**	**10 Meter**	**24 db.**
		12 Meter	**15 db.**
		15 Meter	**24 db.**
		17 Meter	**25 db.**
	***New**	**20 Meter**	**24 db.**
	***New**	**30 Meter**	**00 db.**
	***New**	**40 Meter**	**24 db.**
Power Rating:		**CW**	**2.5 KW**
		SSB	**5.0 KW**
		RTTY	**600 W**
SWR at resonant frequency:			**1.0/1 to 1.6**
Boom Length:			**(Standard 2" x .223 x 24 ft.)**
			(Optional 3" x .223 x 24 ft.)
Turning Radius:			**23 ft. 8 in.**
Recommended Mast Size:			**2 in.**
Maximum Element Length:			**43 ft. 9 in.**
Assembled Weight:		**2" Boom**	**118 lbs.**
		3" Boom	**143 lbs.**
Wind Surface Area (in sq. ft.):			**12.1 ft.²**
Wind Load (EIA standard 80 M.P.H.):			**295 lbs.**
Shipping Weight (approx.):			**122 lbs.**
			153 lbs.
Warranty:			**2 Years**

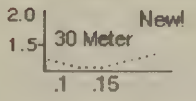
PRO-67-C
SWR Curves are for Code Setting II

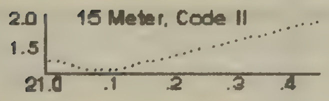


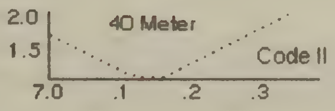












New! PRO-67-B to PRO-67-C

This conversion adds a third 40 Meter Reflector Element to your 40 Meter section of the PRO-67-B!

It also adds a 30 Meter dipole, and increases the front to back on 40, 20, and 10 meters.

Th kit contains all of the necessary parts to complete the conversion. The changes are easy to make.

However, the conversion requires being able to reach and adjust the entire antenna.

Ask for **67B/67C Kit.**

Mosley PRO-77-A

10-12-15-17-20-30-40, 7 Element

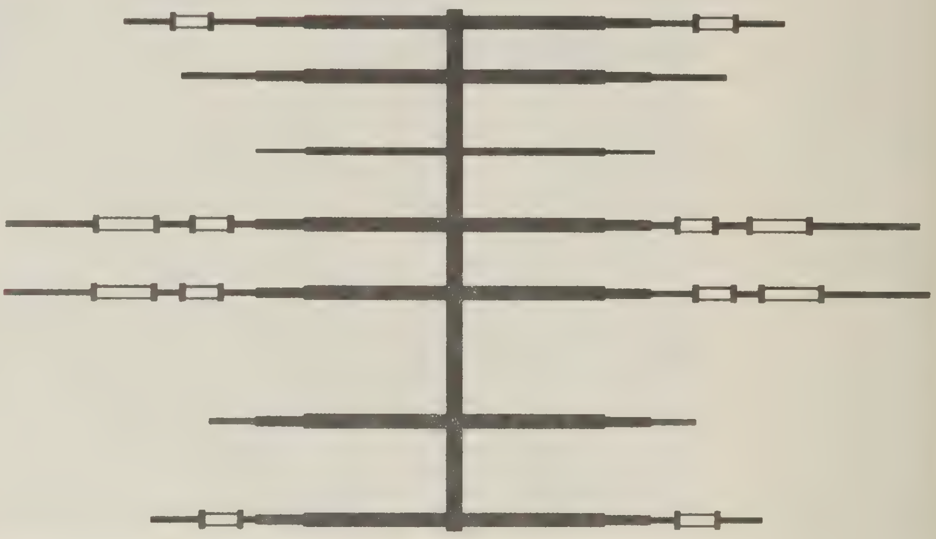
"Seven Bands in One Beam"

The "PRO-77-A" is an antenna designed to give you the widest band coverage of any "Ham" frequency antenna.

It covers "7" bands with only "7" elements. The PRO-77-A gives you 4 elements on 10 meters, 3 elements on 10, 15, and 20, 2 elements on 12, 17 , a rotatable dipole on 30 and 40 meters. All in one antenna with one feed line.

This antenna is excellent as a "Primary Station" antenna for "DXing", or just rag chewing.

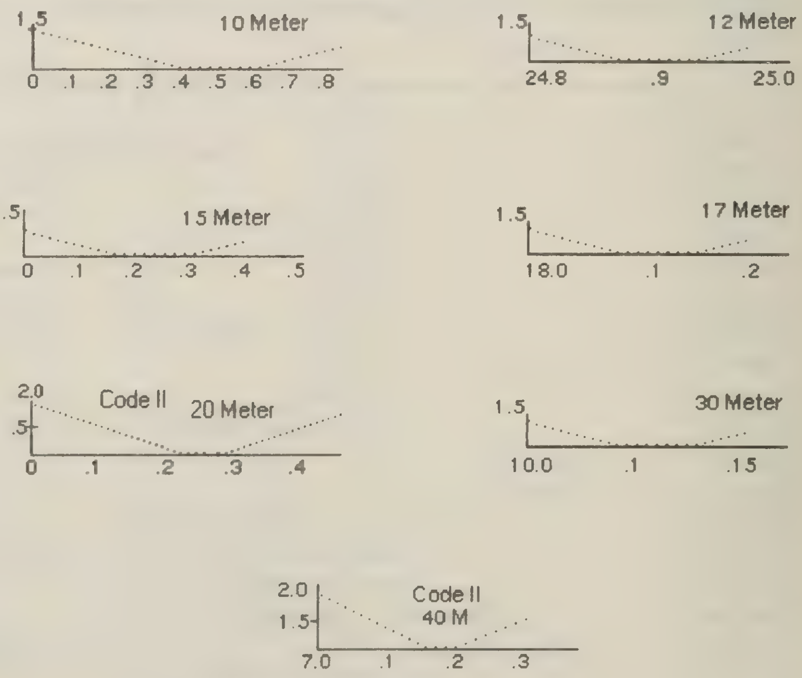
For those that already have a main antenna system the PRO-77-A is an excellent scouting/back up antenna.



Specifications and Data
PRO-77-A

Forward Gain:		
	10 Meter (4 Element)	9.4 dbd.
	12 Meter (3 Element)	6.6 dbd.
	15 Meter (3 Element)	8.5 dbd.
	17 Meter (3 Element)	6.8 dbd.
	20 Meter (3 Element)	8.3 dbd.
	30 Meter (Dipole)	0.0 dbd.
	40 Meter (Dipole)	0.0 dbd.
Front-to-Back:	10 Meter	20 db.
	12 Meter	13 db.
	15 Meter	20 db.
	17 Meter	18 db.
	20 Meter	20 db.
	30 Meter	0 db.
	40 Meter	0 db.
Power Rating:	CW	2.0 KW
	SSB	4.0 KW
	RTTY	600 W
SWR at resonant frequency:		1.0/1 to 1.9
Boom Length:		24 ft.
Turning Radius:		23 ft. 8 in.
Recommended Mast Size:		2 in.
Maximum Element Length:		43 ft. 9 in.
Assembled Weight:		106 lbs.
Wind Surface Area (in sq. ft.):		11.6 ft.^{2}
Wind Load (EIA standard 80 M.P.H.):		280 lbs.
Shipping Weight (approx.):		125 lbs.
Warranty:		2 Years

SWR Curves are for Code Setting II



CONVERSIONS and up dates FOR THE PRO...SERIES

Mosley was the "first" antenna company to create a reliable, durable, efficient "Tri-Band" antenna for the world's Ham community. The TA-33 has set the standard for all Tri Band antennas around the world!

Over the years the frequency spectrum has increased to the point to create a need for a "Multi-Multi" band beam. As early as 1948 Mosley started creating "5" band antennas to answer the demand for these Multi Frequency request. However they were designed to cover a small area of a band and where used by Military and Commercial stations, which were limited to specific frequencies.

With the approval of the new "Amateur" frequencies and the progress of the new electronics, it became apparent to Mosley that a broad band beam was going to be needed in the future. An antenna that would concentrate it's performance in several selected frequencies.

Out of Mosley's research, the "PRO" series was started. The original testing started in 1979, and it wasn't until 1983 that we had a production model of the PRO-37. From this antenna, and our testing, we have over the years, improved on that original design.

Others will tell you how they would have done it, but they didn't. You must first have the idea before it can be improved upon. All of us at Mosley, strive to create and build the best product in the world. These conversions, especially the up grades, have evolved because we continue pushing to learn more. When we discover a way to improve a product, it is implemented into that product. You the customer benefits.

The design of the PRO, is another **Mosley first** in the industry first. We manufacture a wide range of antenna types, and styles. We could have incorporated other methods such as a driven log cell into the PRO, or used more mono band elements. However, our objective was to create an antenna with a very high "Q", that was broad banded, covered a variety of frequencies and use the least number of elements. The PRO series has accomplished this!

We will stay on the high road, and continue to develop our own new products. We continually review our product lines to see if there's one more something we can squeeze out of the system. By doing this, we will keep creating the best, all around antenna products you can buy!

For performance information, refer to model of antenna in the catalog, to which you are converting!

PRO-57-A to PRO-57-B

Up dates to "5" improved bands on 10, 12, 15, 17, 20 Meters.

PRO-57-B to PRO-57-B-40

Adds 40 Meter Dipole to existing "5" bands.

PRO-57-B to PRO-67-B

Adds 2 Element 40 Meter Beam "1" band, 40 Meters to the existing 5 bands.

PRO-67-A to PRO-67-B

Adds a Director Element giving you a "2" element 40 Meter Beam. Also gives you improved performance on 10, 12, 15, 17, and 20 Meters.

PRO-67-B to PRO-67-C

Adds a 3rd Element to 40 Meters. Gives improved performance on 10, 12, 15, 17, and 20 Meters.

PRO-95 to PRO-95-40

Adds 40 meter Dipole to existing "5" bands.

Mosley PRO-95

10-12-15-17-20 Meter, 9 Element Beam

"PRO-95" Big...Big...GUN for 10, 12, 15, 17 & 20

The Mosley "PRO-95" is the "BEST" 5 band antenna designed for Amateur radio anywhere.

The PRO-95 uses all heavy duty drawn tubing and the best made stainless steel hardware. All tubing and hardware parts are specially made to make the PRO-95 an antenna that will last and perform for years.

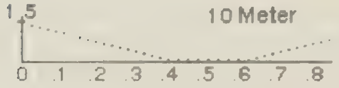
Concerning our mast plate and other hardware parts, our competitors don't know what heavy duty means. We have seen some companies brag about their 1/4" mast plate. Our TA-33-JR uses a 1/4" plate. The PRO-95 uses a 3/8" 6061-T6 x 24" wide, 12" high for a mast plate. THAT's "HEAVY DUTY" in amateur use! (This plate is considered medium duty in our military and commercial use.)
The antenna comes with its own independent strut support and Stainless Steel 3/16" aircraft control cable. This makes getting the antenna prepared for placement on the tower much easier, while not placing extra stress on the mast.

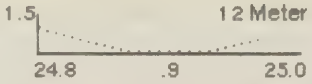
The PRO-95 gives you "6" elements on 10 meters, 4 elements on 12 meters, 4 elements on 15 meters, 4 elements on 17 meters, and 4 wide spaced elements on 20 meters.

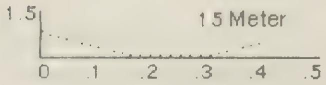
If you're tired of maintaining several towers, rotors and antennas then the PRO-95 is for you. Now you can replace all these other systems and have "ONE" tower system which will give you Mono band performance. The PRO-95 has been "Hurricane" tested by Andrew and Hugo, and as with all the Mosley antennas, they came through with flying colors.

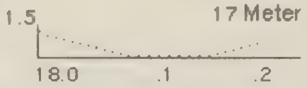
For extremely harsh environments you can obtain a "3" boom version of the PRO-95, but this is rarely needed. (Wind conditions at 150 M.P.H.).

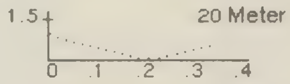
Whether you're just starting to get into large antennas or you're wanting to consolidate your present system, the **PRO-95** is for you!

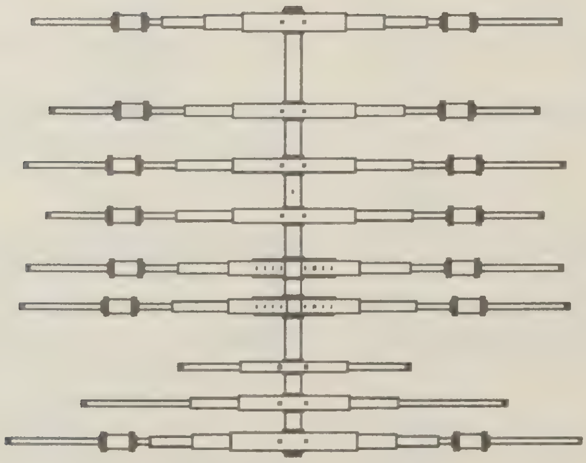












Specifications and Data
PRO-95

Forward Gain:	**10 Meter**	**10.5 dbd.**
	12 Meter	**8.9 dbd.**
	15 Meter	**9.1 dbd.**
	17 Meter	**9.1 dbd.**
	20 Meter	**9.5 dbd.**
Front-to-Back:	**10 Meter**	**20 db.**
	12 Meter	**19 db.**
	15 Meter	**20 db.**
	17 Meter	**19 db.**
	20 Meter	**20 db.**
Power Rating:		
	CW	**2.5 KW**
	SSB	**5.0 KW**
SWR at resonant frequency:		**1.0/1 to 1.6**
Boom Length:		**36 ft.**
Turning Radius:		**22 ft. 8 in.**
Recommended Mast Size:		**2 in.**
Maximum Element Length:		**27 ft. 6 in.**
Assembled Weight:		**145 lbs.**
Wind Surface Area (in sq. ft.):		**18 ft.^{2}**
Wind Load (EIA standard 80 M.P.H.):		**450 lbs.**
Shipping Weight (approx.):		**155 lbs.**
Warranty:		**2 Years**

Mosley PRO-96

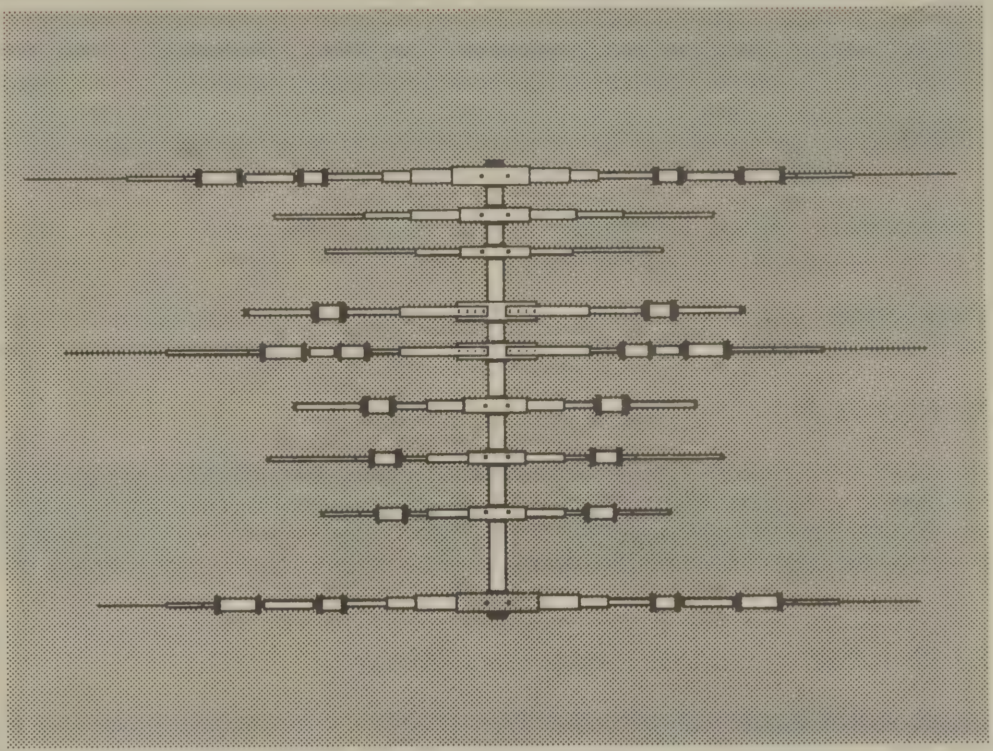
"THE MAX"

The Top of the PRO-Series

PRO-96-2 (On a 2" Heavy Boom)
10-12-15-17-20-40 Meter, 9 Element Beam
PRO-96-3 (On a 3" Extra Heavy Boom)
10-12-15-17-20-40 Meter, 9 Element Beam

Specifications and Data
PRO-96

orward Gain:		
	10 Meter, 6 elements	10.5 dbd.
	12 Meter, 4 elements	8.9 dbd.
	15 Meter, 4 elements	9.1 dbd.
	17 Meter, 4 elements	9.1 dbd.
	20 Meter, 4 elements	9.5 dbd.
	40 Meter, 3 elements	7.8 dbd.
ront-to-Back:	10 Meter	20 db.
	12 Meter	19 db.
	15 Meter	20 db.
	17 Meter	19 db.
	20 Meter	20 db.
	40 Meter	18 db.
ower Rating:	CW	2.5 KW
	SSB	5.0 KW
WR at resonant:	10 thru 20	1.0/1 to 1.6
	40 Meters	1.0/1 to 2.0
oom Length:		36 ft.
urning Radius:		25 ft.
ecommended Mast Size:		2-3 in. Hvy
laximum Element Length:		43 ft. 9 in.
ssembled Weight: PRO-96-2:		165 lbs.
	PRO-96-3:	185 lbs.
Vind Surface Area (in sq. ft.):		22 ft.^{2}
Vind Load (EIA standard 80 M.P.H.):		509 lbs.
hipping Weight (approx.):		2"-180 lbs.
		3"-200 lbs.
Varranty:		2 Years



he *PRO-96* is everything a **"HAM"** could ask for in a beam.

- Stainless Steel
- No Measuring
- Color Coded
- All aircraft drawn tubing
- 2 Year Full Warranty

f you want to have 6 Mono Banders all in "ONE" then look no more! The PRO-96 gives you wide paced elements for 10 through 20 and a close spaced 40 meter 3 element all with a single feed line.

he PRO-96-2 is designed for "crank-ups" or "tilt over" towers.

he PRO-96-3 is recommended for fixed, high installations.

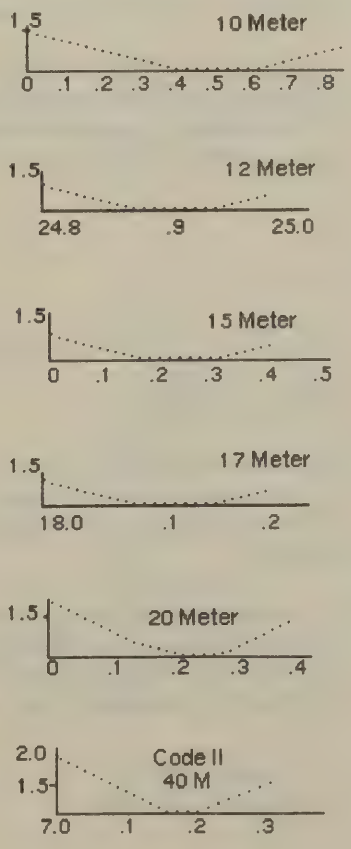
he PRO-96-2 is capable of 80 M.P.H. winds with no ice load and 65 M.P.H. with a 1/4" of radial ice.

he PRO-96-3 is capable of 100 M.P.H. with no ice load and 80 M.P.H. with a 1/4" of radial ice.

erformance is the same for either model.

f you want the best, then choose the PRO-96!

SWR Curves are for Code Setting II



MOSLEY HF LOGS

(From our Military and Commercial Product Line)

The MLP -Series are Special Order Items. The ALP -Series are now Standard Amateur Products. The ALP-Series are lighter than the MLP-Series, however are much STRONGER than any other commercially made logs. We have included the MLP-Series to make you aware of them so that if you have a special need we will be able to be of service. For Amateur use refer to the ALP-SERIES on the following pages. For MLP-Series pricing and specifications contact our Commercial Department.

The New Mosley Light Weight Series of MLPS and ALP (Amateur Version) log periodic gives you a broad frequency range in a Manageable antenna. The new Mosley design gives you 50 years of Mosley ruggedness in a Lighter weight design than other traditional LP's.

These antennas will cover their frequency range under 2:1. The power handling capabilities are up to 10,000 watts. While being hundreds of pounds lighter than other log periodic's, these antennas will survive a 100 mile per hour wind with a 1/4" of radial ice.

These antennas also cut down on the size of tower, rotor and other hardware normally required. The assembly time is quicker and can be easily installed in the field, without the huge equipment that the traditional logs have required.

MLPS-3-30-D Frequency 3 to 30 MHz

The MLPS-3-30 is capable of transmitting from 3 MHz to 30 MHz. This antenna is basically capable of receiving from the broadcast frequencies up beyond 30 MHz. Its lighter weight design allows the same coverage as heavier logs, but at many of hundreds of pounds less weight. Even though the MLPS-3-30 is lighter it will survive the same conditions as heavier models. This unique Mosley design gives you the best of both worlds, Great Broad Band Performance and Strength, while making installation an easier task.

MLPS-4-30-D Frequency 4 to 30 MHz

The MLPS-4-30 is built in the same manner as the MLPS-3-30, the only difference is the frequency coverage and it is lighter than the MLPS-3-30. This log will cover the majority of the frequencies you will need. And as with the MLPS-3-30 the MLPS-4-30 will receive several MHz out of its transmit range. The SWR on the MLPS-4-30 will give you a reliable 2.5:1 over its frequency range.

ALP-6-30 Frequency 6.8 to 30 MHz

The ALP-6-30 is THE BIGGEST LITTLE log we make. It covers from 6 MHz through 30 MHz while only requiring a 48 foot boom. This antenna is lighter and stronger than antennas which cover these frequencies. The ALP-6-30 will allow continuous tuning from 6 MHz to 30 MHz with the same performance as any other manufactures log. This antenna is designed to give you the MOST performance for the LEAST amount of money.

NEW......... LOG PRODUCTS FOR THE AMATEUR!

AMLP-Series

The logs mentioned above are "True" log periodic. Mosley has also created a line of logs to compete with our competitors that are a compromise version of a log. These models of antennas have a greatly shortened boom and will not give the gain that our ALP's or MLP's exhibit. However, the AMLP logs will have the Mosley quality and will be stronger and more reliable than other compromise antennas.

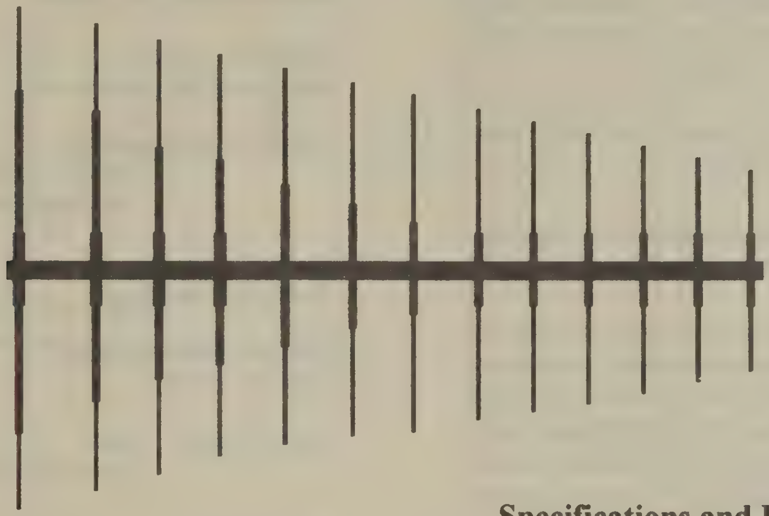
If an amateur does not have the need for frequency excursion, however, wants to cover all the main amateur frequencies, we recommend using one of the PRO series of antennas. These antennas, since they are concentrated on specific frequencies, will out perform a log periodic in gain. This new line will allow us to compete with our competitors and to sell these models at a competitive price due the decrease in size and materials, while still giving you the Mosley quality you come to expect.

MOSLEYLOGS FOR THE AMATEUR

(From our Military and Commercial Product Line)

Note: For those of you that aren't familiar with the Log Periodic, the data below is the correct size for a log that operates a frequency range of 13.0 to 30 MHz. The best overall gain to be expected from a log with the correct number of elements and spacing is 7.7 dbd. Fewer elements or shorter boom is a compromise . We realize that a lighter weight and smaller boom is cheaper, however, we have been ask this question enough that we thought we should address question.

ALP-13-30-36



The Mosley ALP-13-30-36 is designed to give you both medium and long range communication capabilities.

As with all Mosley antennas, your elements and boom pieces are all pre-drilled and color coded, which makes assembly quick and easy.

The antenna comes with a 5 KW balun, the coax line connector (PL-259 or optional "N").

The warranty on this antenna is two year against any defects of material or workmanship.

The ALP-13-30-36. This Log covers from 20 Meters through 10 Meters on the ham bands and gives you any frequency in between. The boom is 36 foot long and the antenna uses 13 elements.

The normal SWR in the ham bands is 1.3/1.

Specifications and Performance Data for ALP-13-30-36 , HF-Log:

Minimum Gain at 13.0 MHz:	7.0 dbd
Minimum Gain at 30.0 MHz:	7.7 dbd
Front to Back at 13 MHz:	25.0 db
Front to Back at 30 MHz:	30.0 db
Transmission Line Coaxial:	50/52.0 ohm
Square Foot Area:	18 sq. ft.
Wind Load (@ EIA 80 m.p.h.):	790 lbs.
Wind Loading Capability:	
No ice:	100 m.p.h.
1/4" Radial Ice:	80 m.p.h.
Boom:	3" x .233 x 36'
Mounting Mast Size:	3" Thick Mast
Longest Element Length:	38' 0'
Turning Radius:	26' 5"
Power Rating:	
SSB:	10 KW
Continuous Carrier:	5 KW
Polarization:	Horizontal
Connection:	"SO-239" connector "N" connector is available
Maximum VSWR at 50 ohms:	2.0/1
Average VSWR at 50 ohms:	1.3/1
Antenna Weight:	300.0 lbs. (approx.)
Shipping Weight:	400.0 lbs. (approx.)

MORE MOSLEY LOGS FOR THE AMATEUR

(From our Military and Commercial Product Line)

The Mosley **ALP-6-30-48** is designed to give you both medium and long range communication capabilities.

As with all Mosley antennas, your elements and boom pieces are all pre-drilled and color coded, which makes assembly quick and easy.

The antenna comes with a balun, the coax line connector (PL-259 or optional "N").

The warranty on this antenna is two years against any defects of material or workmanship.

The ALP-6-30-48. This antenna covers from 7.0 MHz through 30 MHz. This log is the best built, and best performing log periodic on the Amateur Market anywhere in the WORLD! The ALP-6-30-48 uses a 48 foot boom with 17 elements to give exceptional performance on ALL ham bands and general coverage frequencies.

The normal SWR in the ham bands, is 1.3/1.

Specifications and Performance Data
for ALP-HF-Log:

Minimum Gain at 6.5 MHz:		7.0 dbd
Maximum Gain at 30.0 MHz:		7.7 dbd
Front to Back at 6.5 MHz:		20.0 db
Front to Back at 30 MHz:		30.0 db
Transmission Line Coaxial:		50/52 ohm
Square Foot Area:		35 sq. ft.
Wind Load (@ EIA 80 m.p.h.):		1033 lbs.
Wind Loading Capability:		
	No ice	100 m.p.h.
	1/4" Radial Ice	80 m.p.h.
Boom:		3" x .233 x 48'
Mounting Mast Size:		3" Thick wall Mast
Longest Element Length:		75.0'
Turning Radius:		44' 8-1/2"
Power Rating:	SSB:	10,000 watts
	Continuous Carrier	5,000 watts
Polarization:		Horizontal
Connection:	"SO-239" connector	"N" is available
Maximum VSWR at 50 ohms:		2:1
Average VSWR at 50 ohms:		1.5:1
Antenna Weight:		490.0 lbs. (approx.)
Shipping Weight:		550.0 lbs. (approx.)

The ALP-6-18-36

This Log is a special design to cover the more popular lower frequencies in the amateur spectrum. The antenna gives you a BIG signal on 40, 30, 20, and 17 Meters. The antenna has 13 elements on a 36 foot boom.

The ALP-6-18-36 is an "Excellent" antenna for those who aren't interested in any frequency above 18.8 MHz.

This antenna is very popular with the Military and Commercial users due to the frequency range being below the harsh affects of the "Sun Spot Cycle".

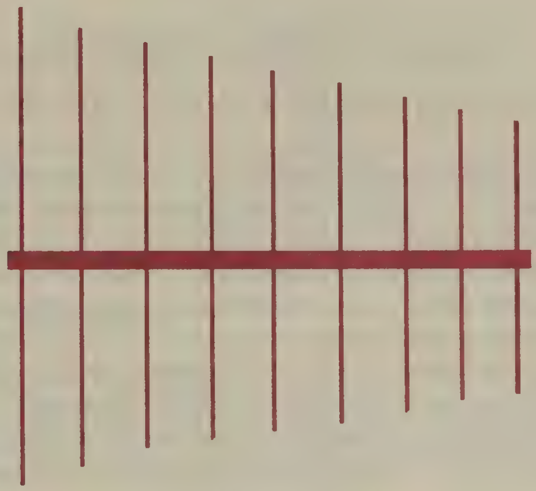
These frequencies will always have a path that is reliable for every day communications.

The ALP-6-18-36 is built in the same manner as all our logs. The Weight and Specifications are similar to the ALP-13-30-36.

The normal SWR in the ham bands is 1.3/1.

AMLP-14-28-18

Mini-Log
Light Weight, Log Covering
20, 17, 15, 12, 11, 10 Meters



AMLP-14-28-18

- **Stainless Steel Hardware**
- **Pre Drilled**
- **Aircraft grade Drawn Tubing**
- **Color Coded**
- **No Measuring**
- **No Hose Clamps**
- **Exceeds competitor logs (similar size) in construction and performance**

The Mosley AMLP-14-28-18 is designed to give you a broad frequency cover while maintaining a small physical size.

As with all Mosley antennas, your elements and boom pieces are all pre-drilled and color coded, which makes assembly quick and easy.

The antenna comes with a balun, the coax line connector (PL-259 or optional "N").

The warranty on this antenna is two years against any defects of material or workmanship.

The AMLP-14-28-18 log antenna covers from 14.0 MHz through 28 MHz.

This log is the best built in its class, and best performing log periodic on the Amateur Market in this small class anywhere in the WORLD!

The AMLP-14-28-18 uses a 18 foot boom with 9 elements to give good performance on the ham bands and fair results on the general coverage frequencies.

The normal SWR in the ham bands, is 1.5/1.

Specifications and Performance Data
for AMLP-HF-Log:

Minimum Gain at 14 MHz:		6.0 dbd
Maximum Gain at 28.0 MHz:		7.9 dbd
Front to Back at 14 MHz:		20.0 db
Front to Back at 28 MHz:		30.0 db
Transmission Line Coaxial:		50/52 ohm
Square Foot Area:		9.5 sq. ft.
Wind Load (@ EIA 80 m.p.h.):		215 lbs.
Wind Loading Capability:		
	No ice	80 m.p.h.
	1/4" Radial Ice	60 m.p.h.
Boom:		2" x .104 + .125 x 18'
Mounting Mast Size:		2" Mast
Longest Element Length:		35.0'
Turning Radius:		19' 8-1/2"
Power Rating:	SSB:	3,000 watts
	Continuous Carrier	1,500 watts
Polarization:		Horizontal
Connection:		"SO-239" connector "N" is available
Maximum VSWR at 50 ohms:		2.5:1
Average VSWR at 50 ohms:		1.5:1
Antenna Weight:		58.0 lbs. (approx.)
Shipping Weight:		68.5 lbs (approx.)

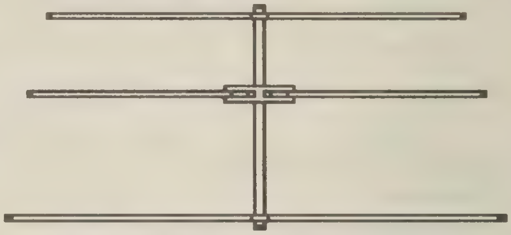
Not much room? Not Much Tower? Want a FULL SIZE 20 Meter beam? Check out the A-Series of Mono Band Beams.

"Short Boom", MONO BAND BEAMS

COMPACT-HIGH POWER-LIGHT WEIGHT-RUGGED

"Power-Master" Beams are full sized arrays, each designed for operation on a single band. Mosley A-310, ten meter three element. Mosley A-315, fifteen meter three element. Mosley A-320, twenty meter three element. Superlative performance and constructive characterizes each beam to insure satisfaction under most adverse conditions. Antennas are 100% rust proof. Stainless steel hardware, high impact polystyrene insulators with drawn aluminum elements & boom will provide many additional years of trouble-free operation. Low SWR over entire band width. Maximum gain on all bands with an operating capacity well over 3 KW. All "Power-Master" antennas are fed with 52 ohm coax using the famous Mosley Match.

Mosley A-310, A-315 & A-320



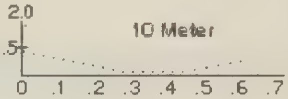
Mosley A-310

(10 Meter • 3 Element)

Forward Gain:	7.6 dbd.
Front-to-Back Ratio:	25 db.
SWR at resonance:	1.0/1
Maximum Element Length:	18 ft. 7 in.
Boom Length:	12 ft.
Turning Radius:	11 ft. 1 in.
Wind Load (EIA standard 80 MPH):	69 lbs.
Assembled Weight:	25 lbs.
Shipping Weight (approx.):	33 lbs.
Warranty:	2 Years

A-310

10 Meter, 3 Element Beam



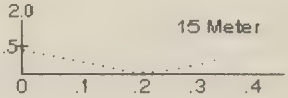
Mosley A-315

(15 Meter • 3 Element)

Forward Gain:	7.0 dbd.
Front-to-Back Ratio:	25 db.
SWR at resonance:	1.0/1
Maximum Element Length:	23 ft. 4 in.
Boom Length:	12 ft.
Turning Radius:	13 ft. 2 in.
Wind Load (EIA standard 80 MPH):	87 lbs.
Assembled Weight:	26 lbs.
Shipping Weight (approx.):	34 lbs.
Warranty:	2 Years

A-315

15 Meter, 3 Element Beam



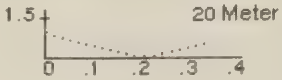
Mosley A-320

(20 Meter • 3 Element)

Forward Gain:	6.7 dbd.
Front-to-Back Ratio:	25 db.
SWR at resonance:	1.0/1
Maximum Element Length:	35 ft. 4 in.
Boom Length:	14 ft.
Turning Radius:	18 ft. 9 in.
Wind Load (EIA standard 80 MPH):	140 lbs.
Assembled Weight:	40 lbs.
Shipping Weight (approx.):	45 lbs.
Warranty:	2 Years

A-320

20 Meter, 3 Element Beam



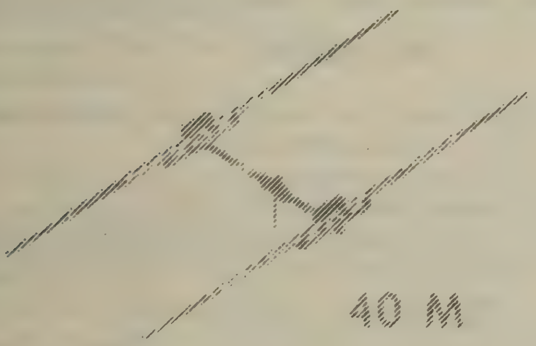
YAGI ANTENNAS

Mosley Mono-Band Yagi Antennas for frequencies between 6.0 to 30 MHz and up to 7 elements.

Mosley single frequency Yagis are made to order in a variety of sizes. These antennas can be made from a 2 element to a 7 element lepending on the frequency. Stock antennas are already available for 10, 12, 15, 17, 20, and 40 meters. These models ranges rom rotatable dipoles to 7 element wide spaced beams, some of these will be listed, however, if you don't see a particular type, lease call our engineering line and we will try and help you fill your request.

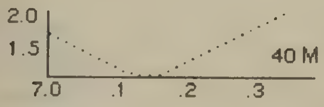
2 Element Yagi Beam

The two element configurations as shown in the illusration at the right are designed to operate in a frequency range from 6 to 30 MHz., with power capabiliies up to 3,000 watts with continuous carrier. If your ower requirements exceed 3,000 watts, present models can be modified to comply with your needs.



Specifications and Performance Data
for the 2 Element Configuration:
Example at: 7.0 MHz

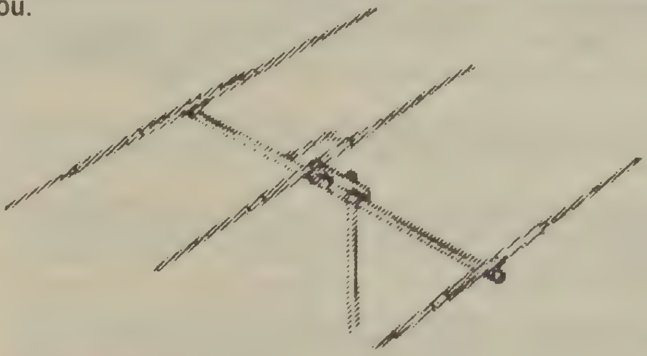
inimum Gain	5.2 dbd
ront to Back	20.0 db
ransmission Line	RG-213
Vind Load (Average)	200.0 lbs.
oom	2" x .104 + .125 x 24'
lement Length (Average)	45.0 feet
urning Radius (Average)	25.0 feet
ntenna Weight (Average)	60.0 lbs.



3 Element Yagi Beam

The three element configurations as shown in the illustration are engineered to operate in a frequency range from 7.0 to 30.0 MHz. with power capabilities in excess of 1,000 watts. These 3 element beams can be made to handle 10,000 watts is so desired.

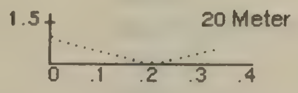
They can be designed to furnish the maximum amount of gain or front to back ratio, which ever would be the most affective for the type of communications required.
Our staff will be happy to discuss your individual situation and application with you.



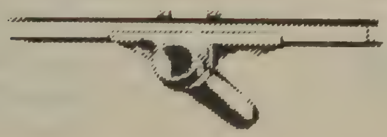
Hot! Very Hot!

Specifications and Performance Data
for 3 Element Configurations:
Example at 14.0 MHz

Minimum Gain	8.2 dbd
Front to Back	24.0 db
Transmission Line	RG-213
Wind Load (Average)	200.00 lbs.
Boom	2" x .104 + .125 x 24'
Element Length (Average)	36.0 feet
Turning Radius (Average)	21.5 feet
Antenna Weight (Average)	60.0 lbs.



No. 48 or 50 Sand Cast Clamping Block



All Mosley beams use Rugged Aluminum Sand Cast clamping blocks to hold elements in place on the boom. Only **Mosley uses these** specially designed **clamps!**

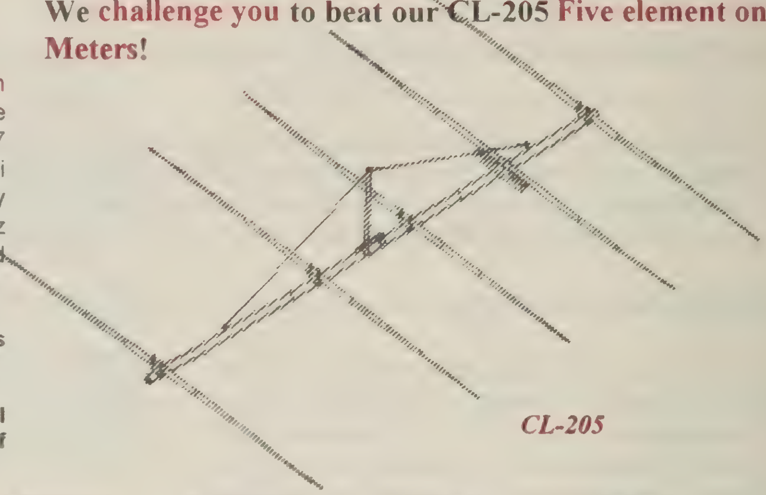
More Single Frequency Yagis for HF
1 to 7 Elements
Covering 3.5 MHz to 30 MHz

Mosley has a variety of Mono-Band Yagis which have a very high forward gain and an exceptional good forward pattern. These antennas are built on a heavy 3" boom and range from 4 to 7 elements depending on the operating frequency. The largest Yagi from 3.5 MHz through 6.0 MHz is 2 elements. In the frequency range of 6.0 through 10.0 MHz is 3 elements and from 10.0 MHz to 14.0 MHz is 4 elements. The largest Yagi we build as a standard model from 14.0 through 30.0 MHz is 7 elements.

(Our engineering department will discuss weights, size and variations in antennas for your individual requirements).

Prices are calculated per individual antenna since these models will vary in Size, Construction Design, Power capabilities and cost of materials at the time of your order.

These are the Best Performing Mono Band Beams Made! We challenge you to beat our CL-205 Five element on 20 Meters!



CL-205

Specifications for:	2 Elements	3 Elements	4 Elements	5 Elements	6 Elements	7 Elements
Gain:	**5.5 dbd**	**7.7 dbd**	**9.3 dbd**	**10.5 dbd**	**11.5 dbd**	**12.5 dbd**
Front-to-Back:	**20.0 db**	**20.0 db**	**20.0 db**	**20.0 db**	**20 db**	**20db**

Anyone For 75 or 80 Meters?

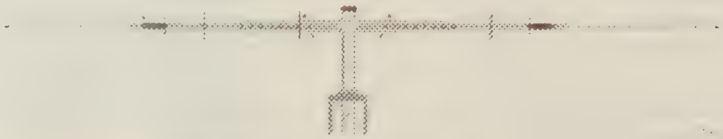
Here is a pair of antennas that will give you a **"BIG, BIG"** Signal on the lower frequencies of 75 or 80 Meters!

Put up a Mosley RD-75/80 and blow open the band!

The problem with other 75/80 meter rotatable dipoles is that they don't survive very long. Not with a Mosley! This antenna is built to last.

We use the same design on this antenna that we use on our Military and Commercial dipoles. The dipole alone weights 185 pounds. It uses a 3" channel web to start the elements inner section.

If you have a big tower put a "Big" Mosley RD-75/80 on it and work and hear what you want, when you want!



Specification and Performance Data

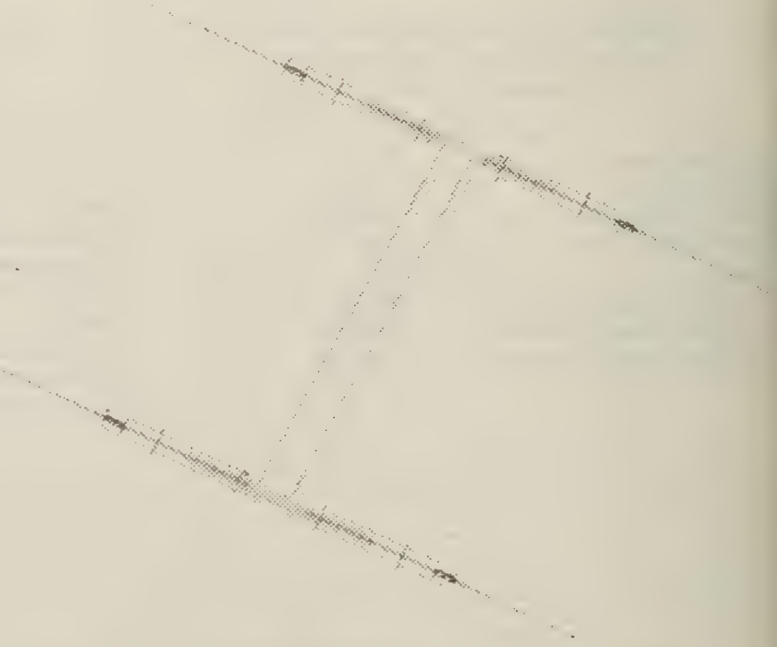
Forward Gain:		
75/80 Meter Dipole		**0.0 dbd.**
75/80 Meter Beam		**5.0 dbd**
Front-to-Back Ratio:	**Dipole**	**00 db.**
	Beam	**20 db**
Power Rating:		
CW		**2.0 KW**
SSB		**3.5 KW**
Matching System:		**"Mosley" match**
Recommended coax: (RG-8-U/RG-213)		**50/52 ohm**
SWR at resonant frequency:		**1.0/1 to 1.65/1 at 75 Hz +/-**
Boom Length:		**3" x 36 ft. Dual**
Turning Radius:		**50 ft. 11 in.**
Recommended Mast Size:		**3 in. Heavy or Platform**

ML-2-75/80

If the RD-75/80 isn't big enough for you and you want a 2 element beam's performance on 75/80, then the ML2-75/80 is for you.

This 2 element beam uses a 36 foot 3" double boom.
Even through this antenna is huge, it will survive the most challenging of environments. As with all Mosley antennas, just put it up and have fun.

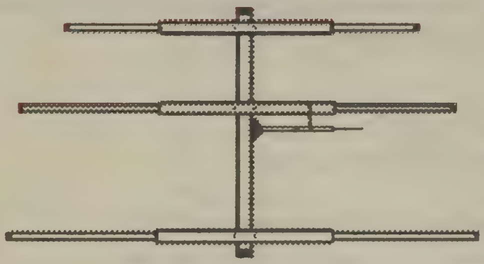
With the ML-2 you will own the 75/80 meter band!



Maximum Element Length:	**95 ft. 8 in.**
Assembled Weight (approx.):	**185 lbs./660 lbs.**
Wind Surface Area (in sq. ft.):	**8.7 ft.^{2} OR 19.8 ft.^{2}**
Wind Load (EIA standard 80 M.P.H.):	**550 lbs. / 1690 lbs.**
Shipping Weight (approx.):	**250 lbs. / 800 lbs.**
Warranty:	**2 Years**

Iosley *YB-12-A*

Meter
Element • Full Size
ainless Steel Hardware
clusive Mosley Gamma Match System
Year Warranty



rugged, compact 3 element full size mono bander for 12 meters. Heavy ty components combined with light, clean, rugged construction ensure ifetime of reliable service. This is the same advanced design and quality gineering which have earned Mosley's outstanding reputation in the ommercial and Military markets. True broad band performance. Excel nt gain and front-to-back ratios.

Iosley *YB-17-A*

Meter
Element • Full Size
ainless Steel Hardware
eavy Duty • Thick Wall Construction
Year Warranty

e YB-17 and YB-23-A features the proven heavy duty PRO Series om, which easily handles the most severe weather conditions. This am provides optimal performance yielding 8.2 dbd. forward gain while aintaining over 25 db. front-to-back. The entire antenna is designed to eet the most challenging weather conditions experienced anywhere in e world. Heavy duty, stainless steel hardware, pre-drilled and color ded. With this beam and 100 watts, you can easily and reliably work e world!

Mosley *YB-23-A*

12 & 17 Meter
6 Element • Full Size
Full Mono band Performance
Stainless Steel Hardware
Heavy Duty • Thick Wall Construction
2 Year Warranty

The YB-23-A is two full size 3 element mono banders on a single boom using a single "Gamma" feed system and feed line.

The YB-23-A provides performance equivalent to that achieved by separate mono banders. Incorporating Mosley's exclusive "Gamma Stub" matching system, proven through the year of military and commercial application. Heavy duty, quality construction, top performance and both bands in one beam. When you think it can't be done...look again! Mosley did it!

Specifications & Performance Data

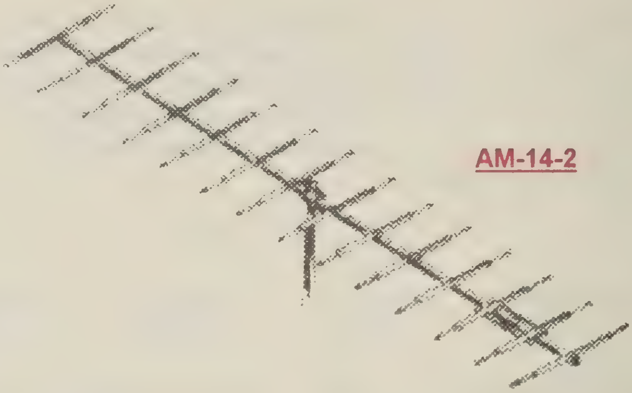
Model:	YB-12-A	YB-17-A	YB-23-A
rward Gain:			
12 Meter	8.2 dbd.		8.2 dbd.
17 Meter		8.2 dbd.	8.2 dbd.
ont-to-Back Ratio:	25 db.	25 db.	25 db.
wer Rating:			
CW	1.5 KW	1.5 KW	1.5 KW
P.E.P. SSB.	3.0 KW	3.0 KW	3.0 KW
VR at resonance:	1.3/1	1.3/1	1.3/1
ed Point Impedance:	50 ohms	50 ohms	50 ohms
atching System:	"Gamma Match"	"Gamma Match"	"Gamma Match"
umber of Elements:	3 full size	3 full size	6 full size
aximum Element Length:	20 ft.	28.06 ft.	26.06 ft.
om Size:	14 ft.	18 ft.	18 ft.
ecommended Mast Size (O.D.):	1-1/2 in./2 in.	2 in.	2 in.
rning Radius:	12.2 ft.	16.7 ft.	16.7 ft.
ind Surface Area (in sq. ft.):	4.8 ft.^{2}	6.0 ft.^{2}	8.4 ft.^{2}
ind Load (EIA standard 80 MPH):	86 lbs.	130 lbs.	168 lbs.
ssembled Weight (approx.):	25 lbs.	42 lbs.	63 lbs.
ipping Weight (approx.):	28 lbs.	45 lbs.	68 lbs.
arranty:	2 Years	2 Years	2 Years

"Power-Master" Heavy Duty VHF Beam

Mosley " Power-Master" VHF antennas combine superlative performance with the most rugged construction to be found in any VHF antenna for amateur use. Element sections are 5/8" O.D. and 1/2" O.D. aircraft tubing, establishing an extremely low ratio of length-to-diameter. All metal hardware is stainless steel or other rust-proof material. The element-to-boom clamping blocks are of high-impact polystyrene and are self aligning. A unique matching stub permits antenna to be fed direct with 52 ohm coax. The AM-14-2 gives you a very low VSWR over the entire band, while maintaining a high "Q".

Mosley AM-14-2

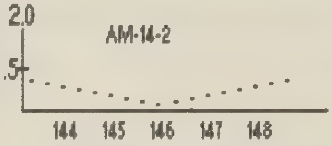
2 Meter, 14 Elements



AM-14-2

Specifications & Performance Data

Forward Gain:	**15.9 db.**
Front-to-Back Ratio:	**25 db.**
Side Rejection:	**45 db**
SWR at resonance:	**1.1/1**
Maximum Element Length:	**3 ft. 5 in.**
Boom Length:	**12 ft.**
Turning Radius:	**6 ft. 5 in.**
Wind Load	**1.6 sq. ft.**
(EIA standard 80 MPH):	**37 lbs.**
Assembled Weight:	**16.5 lbs.**
Warranty:	**2 Years**



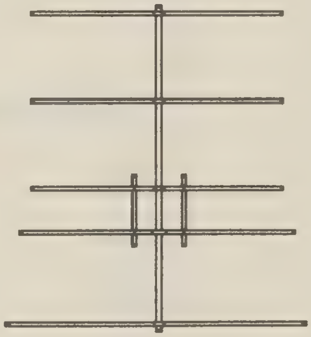
AM-56 "Six" Meter Beam 5 Elements

AM-56

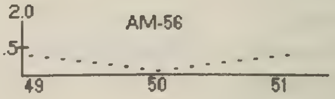
5 Element Six Meter Beam

Specifications & Performance Data

Forward Gain:	**10.8 db.**
Front-to-Back Ratio:	**20 db.**
SWR at resonance:	**1.1/1**
Max. Element Length:	**9 ft. 9 in.**
Boom Length:	**12 ft.**
Turning Radius:	**6 ft. 5 in.**
Wind Load	**2.1 sq. ft.**
(EIA standard 80 MPH):	**32 lbs.**
Assembled Weight:	**14.5 lbs.**
Warranty:	**2 Years**



The AM-56is an extra rugged6 meter beam. The antenna is made out of aircraft grade drawn tubing, which is pre drilled and color coded. All the hardware is stainless steel. The antenna will handle all the power you can put into it. It is capable of 100+ mph winds and just about any ice or sand conditions. The AM-56 will give you a " life time" of superb use.



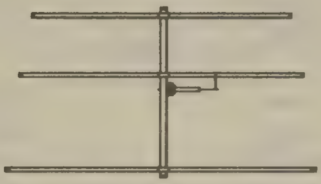
Light Weight, Excellent Performance, Mosley Quality in A-500-S series of "Six Meter" Beams. Uses our Special Gamma Base assembly. Connect your cable directly to a SO-239 or an optional N connector.

-503-S

Element Six Meter Beam

ecifications & Performance Data

orward Gain:	6.8 dbd.
ront-to-Back Ratio:	25 db.
WR at resonance:	1.1/1
ax. Element Length:	9 ft. 9 in.
oom Length:	6 ft.
urning Radius:	6 ft. 5 in.
ind Load	1.3 sq. ft.
IA standard 80 MPH):	22 lbs.
ssembled Weight:	7.5 lbs.
arranty:	2 Years

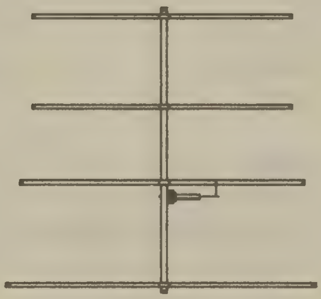


-504-M-S

Element Six Meter Beam

pecifications & Performance Data

orward Gain:	7.5 dbd.
ont-to-Back Ratio:	25 db.
WR at resonance:	1.1/1
ax. Element Length:	9 ft. 9 in.
oom Length:	9 ft.
urning Radius:	6 ft. 5 in.
ind Load	1.45 sq. ft.
IA standard 80 MPH):	28 lbs.
ssembled Weight:	10.5 lbs.
arranty:	2 Years



-504-L-S

Element Six Meter Beam

pecifications & Performance Data

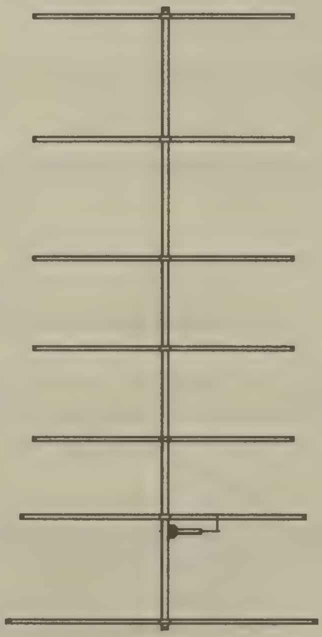
orward Gain:	8.3 dbd.
ont-to-Back Ratio:	25 db.
WR at resonance:	1.1/1
ax. Element Length:	9 ft. 9 in.
oom Length:	12 ft.
urning Radius:	7 ft. 5 in.
ind Load	1.65 sq. ft.
IA standard 80 MPH):	31 lbs.
ssembled Weight:	12.5 lbs.
arranty:	2 Years

-505-S

Element Six Meter Beam

ecifications & Performance Data

orward Gain:	9.0 db.
ont-to-Back Ratio:	25 db.
WR at resonance:	1.1/1
ax. Element Length:	9 ft. 9 in.
oom Length:	12 ft.
urning Radius:	7 ft. 5 in.
ind Load	1.45 sq. ft.
IA standard 80 MPH):	35 lbs.
ssembled Weight:	14.5 lbs.
arranty:	2 Years

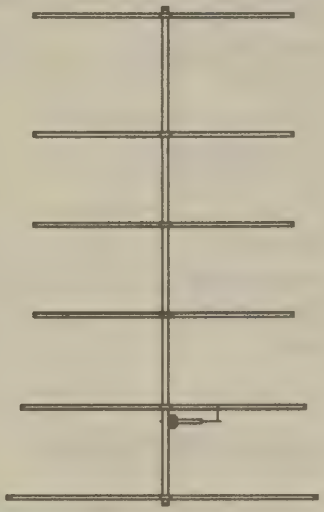


A-506-M-S

6 Element Six Meter Beam

Specifications & Performance Data

Forward Gain:	9.3 dbd.
Front-to-Back Ratio:	25 db.
SWR at resonance:	1.1/1
Max. Element Length:	9 ft. 7 in.
Boom Length:	14.0 ft.
Turning Radius:	7 ft. 6 in.
Wind Load	1.35 sq. ft.
(EIA standard 80 MPH):	30.5 lbs.
Assembled Weight:	17.5 lbs.
Warranty:	2 Years



A-506-L-S

6 Element Six Meter Beam

Specifications & Performance Data

Forward Gain:	11.4 dbd.
Front-to-Back Ratio:	25 db.
SWR at resonance:	1.1/1
Max. Element Length:	9 ft. 7 in.
Boom Length:	24.0 ft.
Turning Radius:	12 ft. 10 in.
Wind Load	2.15 sq. ft.
(EIA standard 80 MPH):	49.5 lbs.
Assembled Weight:	21.5 lbs.
Warranty:	2 Years

A-507-L-S

7 Element Six Meter Beam

Specifications & Performance Data

Forward Gain:	12.1 db.
Front-to-Back Ratio:	25 db.
SWR at resonance:	1.1/1
Max. Element Length:	9 ft. 10 in.
Boom Length:	28.0 ft.
Turning Radius:	18 ft. 6 in.
Wind Load	2.85 sq. ft.
(EIA standard 80 MPH):	49.5 lbs.
Assembled Weight:	29.5 lbs.
Warranty:	2 Years

"MY-Series" Light Weight, Low Wind Load VHF/UHF Yagis

Specifications & Performance Data

Model:	MY-144-5	MY-144-9	MY-220-9	MY-430-14
Frequency in MHz	144 to 148	144 to 148	220 to 225	430 to 450
Power Rating:				
AM/CW/FM	1 KW	1 KW	1KW	1KW
P.E.P. SSB.	2 KW	2 KW	2 KW	2 KW
Forward Gain:				
reference dipole	10 db.	12 db.	12 db.	16.5 db.
isotropic source	12 db.	14 db.	14 db.	18.5 db.
Front-to-Back Ratio:	20 db.	20 db.	20 db.	20 db.
Feed Point Impedance:	52 ohms	52 ohms	52 ohms	52 ohms
SWR:	1.0/1	1.0/1	1.0/1	1.0/1
Matching System:	Folded dipole	Folded dipole	Folded dipole	Folded dipole
Number of Elements:	5	9	9	14
Maximum Element Lgt	3 ft. 5 in.	3 ft. 5 in..	27 in.	15 in.
Boom Length:	4 ft. 6 in.	9 ft.	8 ft. 2 in.	6 ft. 10 in.
Mast Size:	1" to 1 1/4"	1" to 1 1/4"	1" to 1 1/4"	1" to 1 1/4"
Turning Radius:	2 ft. 10 in.	4 ft. 10 in.	4 ft. 2 in.	3 ft. 10 in.
Wind Area (in sq. ft.):	0.4 ft.^{2}	0.8 ft.^{2}	0.7 ft.^{2}	.66 ft.^{2}
Wind Load (EIA 80 MPH):	6.6 lbs.	10.5 lbs.	7.0 lbs.	7.0 lbs.
Assembled Weight:	2 lbs.	3.5 lbs.	3.5 lbs.	3.5 lbs.
Shipping Weight:		Oversize 30 Pound Minimum UPS charge		
Warranty:	2 Years	2 Years	2 Years	2 Years

3/4, 1-1/4, 2 Meter Beams

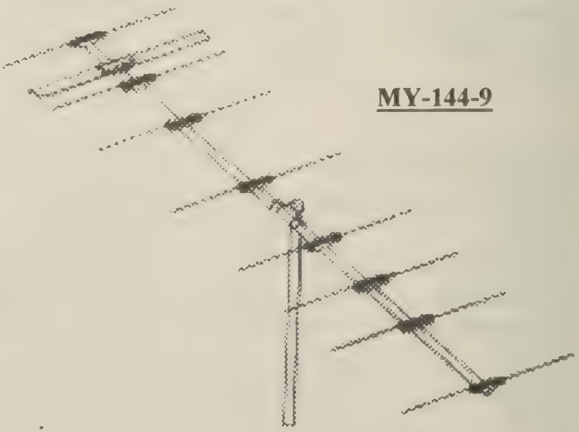
(Turn these with only a heavy duty TV rotor!)

Incorporated in the Mosley MY-Yagis are the same high standard of quality construction established by Mosley for over 50 years of manufacturing amateur antennas.

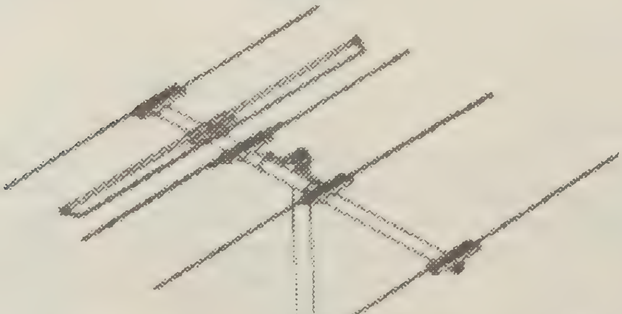
Rugged yet light-weight, these beams have 1/8 inch O.D. solid aluminum elements. The unique element-to-boom insulator permits easy adjustment in element length for tuning. Element spacing and length have been carefully engineered to give high forward gain, good front-to-back ratio and broad frequency response.

The matching system, incorporated in the radiator element is a 200 ohm folded dipole with a 4 to 1 coaxial balun for maximum efficient transfer of RF energy from cable to beam.

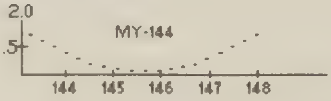
Mounting hardware fits masts up to 1 1/4 in. O.D. Antenna comes complete with illustrated instructions and color coded parts with pre-drilled holes for ease of assembly.



MY-144-9



MY-144-5



MOSLEY ALL BAND DIPOLES.....

One Low Profile Antenna Can Do It All • For A Very Low Price And Give You Years of Operating Enjoyment!

Why Buy a No Name When You Can Have Mosley Quality in A Simply Well Performing Trapped Dipole?

MD-SERIES TRAPPED DIPOLES

Mosley offers other Trapped Dipoles. You can combine t least 8 different frequencies in one dipole. These requencies can range from 3.5 to 30 MHz. All Mosley lipoles use the patented DPC-1 center connector.

MD-2

40/80 Meters

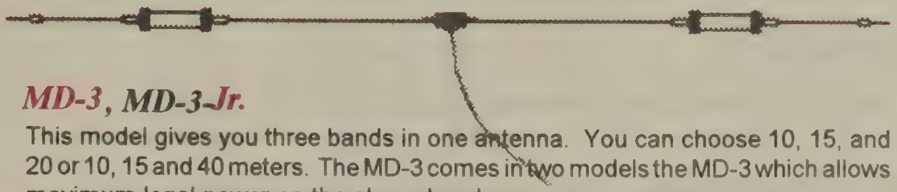
Model MD-2 Doublet antenna resonates at 40 and 80 meters and provides a typical figure eight 1/2 wave ength dipole pattern at each frequency. Parallel resonant trap circuits are used to automatically select the proper electrical length for each band. A center connecor (Mosley DPC-1) holds No. 14 gauge wire securely. The traps are enclosed in aluminum and are designed to e frequency stable through a wide climatic variations. This antenna is adjustable for the desired resonant requency on both bands.

Specifications and Performance Data

SWR	1.5/1 or better
Power Rating	
CW	1.5 KW
SSB	3.0 KW
Maximum overall length	114 feet
Transmission Line	50 or 72 ohm line
Assembled Weight	7 lbs.
Shipping Weight	9 lbs.

MD-2-W

Same as above covers 80 and 30 meters.

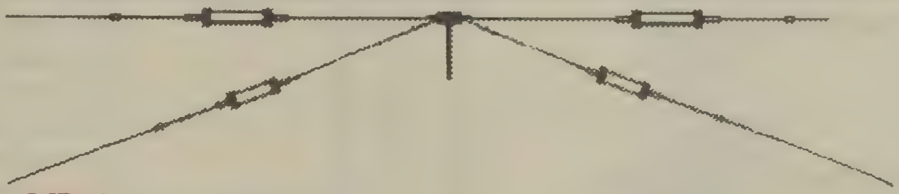


MD-3, MD-3-Jr.

This model gives you three bands in one antenna. You can choose 10, 15, and 20 or 10, 15 and 40 meters. The MD-3 comes in two models the MD-3 which allows maximum legal power on the above bands.
The second model is a MD-3-Jr., a low power version of the MD-3. The frequency coverage is the same as the MD-3, however, the JR. is lighter weight and will handle up to 500 watts CW and 1,200 PEP.

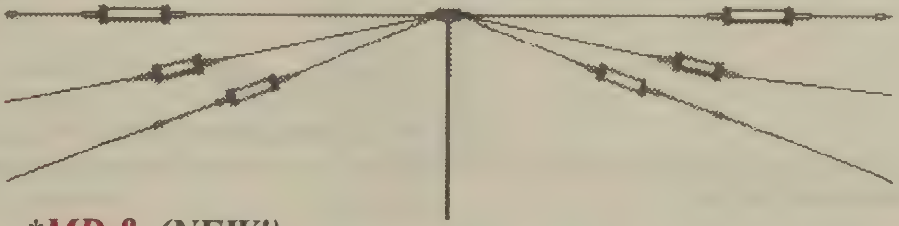
MD-5, Trapped Dipole for 10, 15, 20, 40, and 75/80 Meters

The MD-5 gives you 5 of the most common bands in one antenna. With a single feed line you will have a 1/2 wave dipole on 10, 15, 20, 40 and 80 meters. You can feed the MD-5 with either 50 or 72 ohm coax. Whether you are just beginning in ham radio or you have been on the air for years, the MD-5 is a convenient, room saving antenna. Total length is 114 feet.



MD-6, Trapped Dipole for 10, 12, 15, 17, 20, 40

The MD-6 is built in the same manner as the other MD-Trapped Dipoles, but is gives you six of the more popular frequencies all in one antenna. The MD-6 uses a single 50 or 72 ohm feed line.



*MD-8 (NEW!)

Trapped Dipole for 10, 12, 15, 17, 20, 30, 40 & 80

The MD-8 is built in the same manner as the other MD-Trapped Dipoles, but is gives you all of the ham frequencies between 3.5 and 30 MHz, all in one antenna. The MD-8 uses a single 50 or 72 ohm feed line.

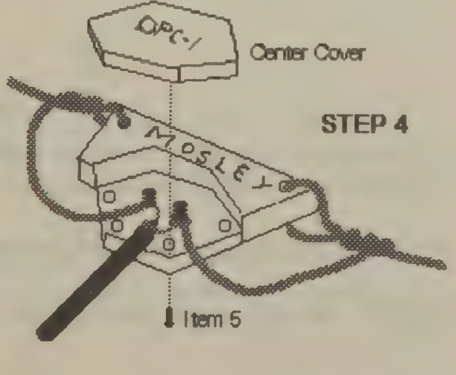
DIV-80 Horizontal or Inverted "V" Dipole Antenna Kits

eatures Do-It-Yourself Construction. Know the satisfaction of accomplishment by working CW r Phone with an antenna you cut and designed for specific frequency in a given band. Here is unique opportunity: you make all your own calculations with the aid of the technical information we supply.

he DIV Antenna Kit features elements made with durable copperweld wire for greater strength. he long established Mosley Dipole Connector (Model DPC-1) makes building your antenna an asy job. The DPC-1 fits RG-8/U or RG-58/U coax. Weather proof construction with corrosion roof hardware. The DIV Kits cost you less that if you bought the parts yourself.

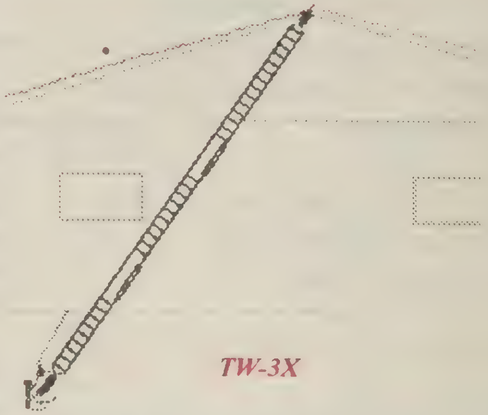
he kit contains enough wire, insulators and center connector to build a dipole from the lowest requency to any frequency above the kit frequency. The DIV-80 you can build an antenna from 0 meters to 10 meters.

Before tightening screws, be sure wire is fitted into slot.



TW-3X

Compact Three Band Antenna for 20, 40, 75/80 Meters



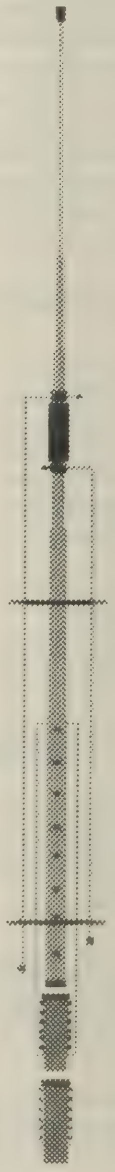
TW-3X

Have trouble finding space to install a good antenna? The TW-3X can be mounted in many different configurations!

Install it to fit your QTH.

This antenna is a trap grounded 1/4 wave antenna using a unique method of tuning and a single 50 ohm coax line. Maximur antenna length is 58 feet. No radials are necessary in most cases and the antenna may be mounted in a varying number of position to fit almost any location. Easily assembled kit consists of 62 feet of 450 ohm open wire, two condensers of suitable rating an three antenna insulators. Antenna is pre tuned if assembled according to the instructions and may be easily adjusted for the desire resonant frequency to fit the various locations.

Mosley Verticals



All use

Stainless Steel Hardware
No Measuring
Aircraft Grade Drawn Tubing
2 Year Warranty

VL-75/80

75/80 Meter Mono Band Vertical

The VL-75/80 uses linear loaded sections which gives you a full size 1/4 wave length on 75/80 meters with a physical length under 50 feet.

The VL-75/80 has very good band-width. For off resonant areas of the band a simple tuner can be used without affecting the performance.

The vertical only uses a single mounting pipe which comes with the antenna. A nylon guy kit and a radial kit is also included, however the kits don't have to be used if your limited for room.

The antenna works well without a radial system, however, an antenna of this size will hear better and get out farther, with a good radial system under it.

The vertical element starts out with a 3" web channel and is built in the same manner as our Military and Commercial versions. This means that once you install the VL-75/80 your only requirement will be to have fun with it, not working on it.

*VL-160***

160 Meter Mono Band Vertical

This antenna is designed to give you a broadcast capability in a shortened vertical antenna. The total overall height of the antenna is under 55 feet and comes complete with its own mounting and guying hardware.

** The VL-75/80 will require a small amount of concrete for the mounting pipe if the upper guy kit is not used.*

*** The VL-160 will require the use of the upper guy kit and the concrete base for the mounting pipe*

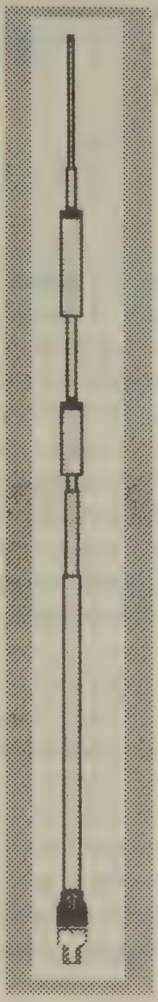
For 10, 15, 20, 40 Meters
(Nothing As Inexpensive or as Good !)
Automatic Band Switching
Omni-directional
One-Quarter Wavelength

Mosley RV-4C

If you're cramped for space and looking for the finest in a self supporting vertical, here's an antenna designed with you in mind. Mosley RV Verticals for 4 or 5 band operation feature automatic band switching from the location of the transceiver. Each antenna utilizes the world famous "Trap-Master" traps. Undisputed and unaltered since their inception Mosley "Trap-Master" traps incorporate high 'Q' coils firmly fixed on molded forms. These high quality metal encased traps maintain resonant frequency stability on all bands under a wide variety of weather conditions. With a simplified base mounting technique no concrete footing is necessary. These heavy-duty verticals measure up to the most exacting commercial standards. Elements are swaged for extra strength and reduced wind load. Low angle, omni-directional radiation and minimum SWR (1.5/1 or better at resonance) assure maximum performance. Power is fed directly to antenna with a single 52 ohm coax line.

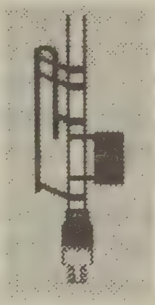
Add 75/80 Meters
Mosley RV-8C

Designed to convert the RV-4C antenna to include the 75/80 meter band. The LC circuit incorporates a high 'Q' coil constructed of #12 tinned copper wire. A vinyl coil housing, closed at one end, assures weather protection. An insulated aluminum condenser tube fits over the vertical element. Heavy-duty insulators maintain 'U' shaped matching section loop, and a matching section rod connects loop to coil.



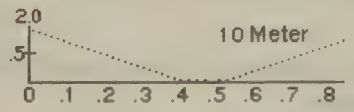
RV-4-C

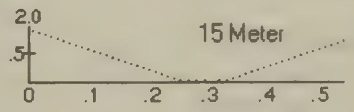
RV-8-C
ADD ON

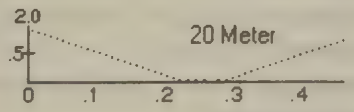


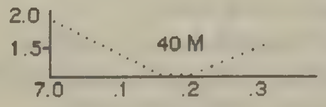
Specifications & Performance Data

Model:	**RV-4C**	**RV-8C**
Bands (meters):	**10, 15, 20 & 40**	**75/80**
Power Rating:		
C W	**1 KW**	**1 KW**
P.E.P. SSB.	**2 KW**	**2 KW**
Feed Point Impedance:	**52 ohms**	**52 ohms**
SWR at resonance (1.5/1 or better):	**1.5/1**	**1.5/1**
Recommended Transmission Line:	**RG-8/U**	**RG-8/U**
Number of Radials:	**4**	**5**
Maximum Radial Length (approx.):	**34 in. 7 in.**	**80 ft.**
Height (approx.):	**22 ft.**	**22 ft.**
Recommended Mast Size (O.D.):	**2 in.**	**2 in.**
Ground Required:	**Yes**	**Yes**
Wind Surface Area (in sq. ft.):	**2.05 ft.²**	**.5 ft.²**
Wind Load (EIA standard 80 MPH):	**42.5 lbs.**	**10.0 lbs.**
Assembled Weight (approx.):	**9.25 lbs.**	**4.5 lbs.**
Shipping Weight (approx.):	**30 lbs.**	**6 lbs.**
Warranty:	**2 Years**	**2 Years**









Mosley RV-6 WARC

10, 12, 15, 17, 20 & 40 Meter
Compact • Under 19 ft. Tall
Heavy-duty Construction
Stainless Steel Hardware
No Measuring - Pre-Drilled - Color Coded
Single Feed Line
2 Year Warranty

The new Mosley verticals RV WARC series have been designed to combine ease of installation and excellent performance. These verticals require only modest ground systems. Complex ground rod and radial systems may be used if the operator desires, but extensive installation experience has proven that outstanding performance is achieved with only a simple mounting post which doubles as the ground rod. As a result, these antennas are ideally suited for upper story installation, city lot dwellers or easy installation in even the most sophisticated QTH.

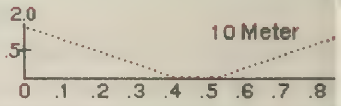
Mosley RV-7 WARC

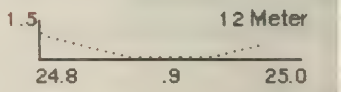
10, 12, 15, 17, 20 ,30 & 40 Meter
All Other features of the RV-6, plus 30 Meters.

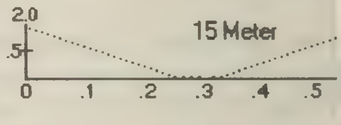
Mosley RV-8C WARC

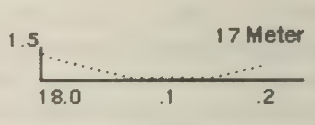
75/80 Meter Add-On to the RV series Verticals

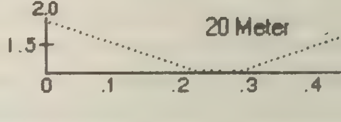
The RV-8-C WARC Modification kit for WARC verticals will expand your WARC vertical coverage to include 75/ 80 meters.

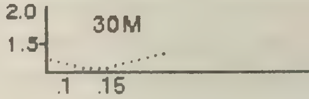


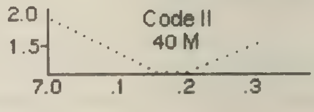


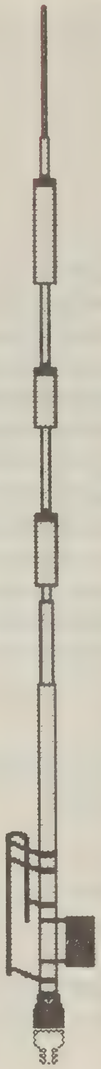












RV-6-C With the RV-8-WARC Attached

Why Pay More for 6 or 7 bands
Mosley does it better at less cost!

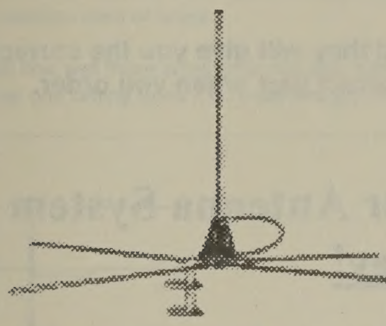
Specifications & Performance Data

Model:	RV-6-C	RV-7-C
Bands (meters):	10, 12, 15, 17, 20 & 40	10, 12, 15, 17, 20, 30 & 40
Power Rating:		
C W	1 KW	1 KW
P.E.P. SSB.	2 KW	2 KW
Feed Point Impedance:	52 ohms	52 ohms
SWR at resonance(1.5/1 or better):	1.5/1	1.5/1
Recommended Transmission Line:	RG-8/U	RG-8U
Number of Radials:	6	7
Maximum Radial Length (approx.):	34 in. 7 in.	34 ft. 7 in.
Height (approx.):	20 ft.	21 ft.
Recommended Mast Size (O.D.):	2 in.	2 in.
Ground Required:	Yes	Yes
Wind Surface Area (in sq. ft.):	2.05 ft.^{2}	2.05 ft.^{2}
Wind Load (EIA standard 80 MPH):	44 lbs.	44 lbs.
Assembled Weight (approx.):	11 lbs.	12 lbs.
Shipping Weight:	25 lbs.	25 lbs.
Warranty:	2 Years	2 Years

Super Little 2 Meter Combination! *"Omni" & Mono for VHF/UHF* *The Mosley DI-2 And MY-144-5!*

2 Meter
Omni-directional
Ground Plane
5/8 Wave Vertically Polarized

(Also Available for 220 and 440 MHz)
DI-220 and the DI-440

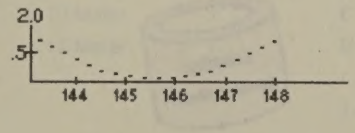


Omni-directional vertically polarized, high-performance 2 meter antenna with low angle of radiation for maximum coverage. Ideal for area 2 meter QSO's and repeater to mobile communications. Simplicity of design makes for ease of assembly. The vertical element made of high tensile strength, high grade aluminum. High impact poly styrene base. All hardware is stainless steel. Antenna lightweight. Mounting hardware fits up to 1-1/2" O.D. mast. Anotherquality addition to the Mosley 2 meter family of antennas.

Specification and Performance Data

DI-2

Gain:	3.4 db. Over 1/4 wave
Power Rating:	
FM/CW	1 KW
P.E.P. SSB.	2 KW
SWR at resonance:	1.0/1 to 1.5/1
Impedance:	52 ohms
Matching:	"Mosley Induct-O-Match"
Ground Radials:	4
Wind Load (EIA standard 80 MPH):	6.12 lbs.
Assembled Weight (approx.):	1 lb. 12 oz.
Height (approx.):	4 ft.
Warranty:	2 Years



This Inexpensive Package will take care of your 2 Meter requirements wether you're just starting out on the band or you are a seasoned operator.

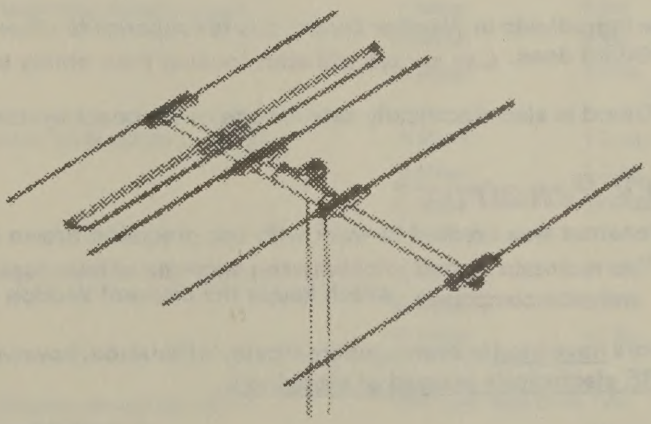
MY-Series VHF/UHF

High Performance, Light Weight
Low Wind Load, High Power

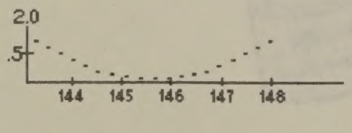
3/4, 1-1/4, 2 Meter Beams

Incorporated in the Mosley MY-144-5, MY-144-9 element Yagis are the same high standard of quality construction established by Mosley for over 50 years of manufacturing amateur antennas. Rugged yet light-weight, these beams have 1/8 inch O.D. solid aluminum elements. The unique element-to-boom insulator permits easy adjustment in element length for tuning. Element spacing and length have been carefully engineered to give high forward gain, good front-to-back ratio and broad frequency response. The matching system, incorporated in the radiator element is a 200 ohm folded dipole with a 4 to 1 coaxial balun for maximum efficient transfer of RF energy from cable to beam. Mounting hardware fits masts up to 1-1/4 in. O.D. Antenna comes complete with illustrated instructions and color coded parts with pre-drilled holes for ease of assembly.

Specification and Performance Data fo the MY-144-5 is on Page 44.



MY-144-5



Mosley Parts Department

Mosley has a large inventory of replacement parts for our customers of Mosley antennas dating back 50 years. Mosley also offers a large verity of assorted stainless steel hardware, tubing, boom material, U bolts, bar stock, plastic caps, manuals and other antenna parts for sale to the amateur community. If you are home brewing or reconditioning your old Mosley, our parts department will be happy to help you.

You can order replacement parts through our order lines, however, you must have the correct part numbers. The staff on the order lines can only enter a part number into the system. The main job of the order line people is to take orders, they can only give limited help due to the volume of orders they have to process and their limited knowledge of the parts and various antennas.

We have over 1,856 different parts ranging between 4,500 different antennas.

If you aren't sure of what parts you need, call our engineering department and they will give you the correct part numbers so you can order. By doing this, it will ensure that you obtain the correct part when you order.

Two Great Mosley Products to Add to your Antenna System

Especially if its not a Mosley!

Mosley Weather Guard, Antenna Coat**

Weather Guard is a clear paint which protects your antenna from salt air, air pollution, acid rain and the effects of ultra violet light on your antenna or any exposed aluminum.

Weather Guard has been is use around the world for over 40 years, protecting aluminum and other metals.

Weather Guard is painted on the exposed surface of aluminum. When putting Weather Guard on an antenna, it must be painted on just on the exposed surfaces of the tubing. It is not to be painted on any plastic parts or where the elements sleeve, since it will act as an insulator, disrupting the electric length of the element.

When put on an antenna, 50 miles in from salt water, it will keep the antenna in "Brand New" condition for 8 years. In costal environments it will keep the antenna in new condition for 2 to 3 years depending how near the antenna is to direct salt spray.

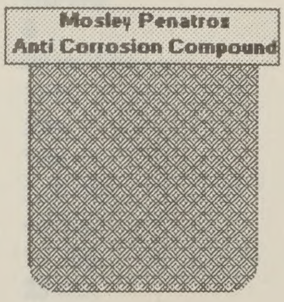
Due to the ingredients in Weather Guard, it is far superior to other paints. Other paints haven't been designed to do the job Mosley Weather Guard does. Can sprays will start loosing their ability to protect the antenna in six months.

Weather Guard is also electrically safe for use on resonant systems. In fact it keeps the electrical properties of the antenna intact!

*Mosley Penatrox**

Mosley Penatrox was created to work with our precision drawn tubing. The penatrox is furnished with all Mosley antennas. Its purpose is to maintain a good joint between sections of telescoping tubing, without causing electrolysis at the joint. The Penatrox is also a anti seize compound, which keeps the element section from locking up and binding together.

Competitors have tried to even emulate Mosley's Penatrox, however, in trying to copy us, some of them have used a compound which will CAUSE electrolysis instead of stopping it.



• Mosley Trademark

*Mosley Trade Marks

New Mosley Mini Mono Beams

Before the Mosley Mini Beam you had to choose either the economy and convenience of a ground plane, vertical , dipole or the superior performance of a beam. Now you can enjoy the best of all worlds. The new deluxe Mosley Mini Beam will do everything a big three element beam antenna will do EXCEPT waste your money, time and space.

The MB Series:

WILL boost your signal with forward gain!
WILL chop off interfering side and back signals by 25 db.!
WILL assemble simply in just a few minutes!

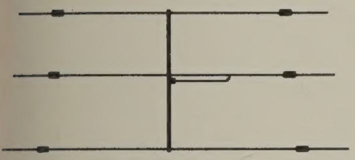
BUT IT:

WON'T clutter your roof!
WON'T require an expensive mount or rotor!
WON'T take hours to put together!

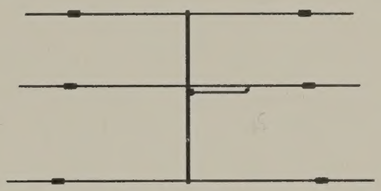
The MB-Series gives you a reduced size single frequency antenna for 6, 10, 15, Meters. On average, the overall size of the antenna is reduced by 34%. This gives you a very low profile and a very light weight antenna, which can be rotated with a heavy duty TV rotor.

These antennas can handle 500 watts on CW, 250 watts on RTTY and 1,200 watts on SSB. The feed system is a special Mosley fixed gamma match. The MB-Series antennas use the same drawn tubing, which is pre drilled and color coded. It only takes an hour to assemble the antenna. All the hardware used on the antenna is stainless steel or brass.

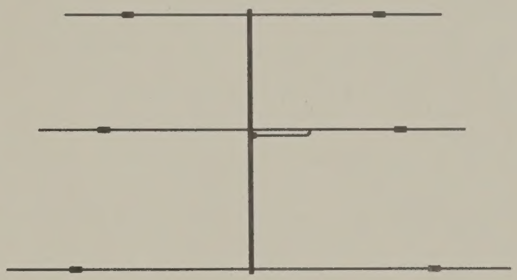
You'll be amazed how well these small antennas truly work. The MB-10, MB-15 have two color coded settings: Code I for CW and Code II for Phone. The TheMB-6 has just one setting since it is broad enough to cover the active portion of the band.



MB-6



MB-10



MB-15

MB-6, MB-10, MB-15
6-10-15 Meters
3 Element Mono Beams
Specification and Performance Data

Forward Gain:	6 Meter	7.3 dbd.
	10 Meter	7.0 dbd.
	15 Meter	6.5 dbd.
Front-to-Back:	6 Meter	25 db.
	10 Meter	25 db.
	15 Meter	25 db.
Power Rating:	CW	.5 KW
	SSB	1.2 KW
SWR at frequency:	1.0/1 to 1.6/1	
Boom Length:		
	6 Meter	6'
	10 Meter	9'
	15 Meter	12'
Turning Radius:		
	6 Meter	5'
	10 Meter	6' 10"
	15 Meter	9' 10"
Mast Size:		1-1/4

Maximum Element Length:	6 Meter	7'
	10 Meter	10' 11"
	15 Meter	16' 11"
Assembled Weight (approx.):	6 Meter	6 lbs.
	10 Meter	6 lbs.
	15 Meter	10 lbs.
Wind Surface Area (in sq. ft.):	6 Meter	1.2 sq. ft.
	10 Meter	1.3 sq. ft.
	15 Meter	2.09 sq. ft.
Wind Load (EIA, 80 M.P.H.):	6 Meter	27 lbs.
	10 Meter	28 lbs.
	15 Meter	42 lbs.
Shipping Weight (approx.):	UPS Over Size 35 lb. rate	
Warranty:		2 Years

Mosley Electronics, Inc.
10812 Ambassador Boulevard
St. Louis, Missouri 63132
USA

To Amateur Radio Station:

To ORDER call: **800-325-4016** or **800-9-MOSLEY** or **800-966-7539.**
For **Technical information,** call **314-994-7872**. To FAX an order or for Technical support, use **314-994-7873**.

© 1996